Start	914	End	1524
GI	none	Score	128
Exons	914..976, 915..1052, 915..1046, 1139..1354, 1143..1361, 1465..1524		

Seq. No.	13371	Seq. ID	OJ991101_09.0131.C23
Gene No.	28447	Strand	+
Start	315	End	2016
Name	OJ991101_09.0131.C23.o2.np	Method	AAT/NAP
Start	1111	End	1243
GI	5114353	Score	48
Exons	1111..1243		
GI Descrip.	(AF156272) RING finger protein terf [Rattus norvegicus]		

Seq. No.	13372	Seq. ID	OJ991101_09.0131.C24
Gene No.	28448	Strand	+
Start	5653	End	7139
Name	OJ991101_09.0131.C24.o1.np	Method	AAT/NAP
Start	5653	End	7139
GI	5852093	Score	84
Exons	5653..5677, 7003..7139		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	13372	Seq. ID	OJ991101_09.0131.C24
Gene No.	28448	Strand	+
Start	5653	End	7139
Name	OJ991101_09.0131.C24.o1.gp	Method	AAT/GAP
Start	6116	End	6660
GI	10972_1.R1084	Score	891
Exons	6116..6145, 6217..6660		
GI Descrip.	'4249382/gb|AAD14479| 4.0e-18 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]'		

Seq. No.	13372	Seq. ID	OJ991101_09.0131.C24
Gene No.	28449	Strand	-
Start	1527	End	4869
Name	OJ991101_09.0131.C24.o1.gs	Method	GENSCAN
Start	1527	End	4869
GI	none	Score	.49
Exons	1527..1586, 3500..4044, 4674..4869		

Seq. No.	13372	Seq. ID	OJ991101_09.0131.C24
Gene No.	28450	Strand	-
Start	8154	End	8794
Name	OJ991101_09.0131.C24.o3.gs	Method	GENSCAN
Start	8154	End	8794
GI	none	Score	.73
Exons	8154..8211, 8286..8467, 8789..8794		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28451	Strand	+
Start	435	End	662
Name	OJ991101_09.0131.C25.o1.gs	Method	GENSCAN
Start	435	End	662
GI	none	Score	.94
Exons	435..662		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28452	Strand	+
Start	9812	End	22872
Name	OJ991101_09.0131.C25.o1.np	Method	AAT/NAP
Start	9812	End	22452
GI	2565009	Score	268
Exons	9812..10197, 16217..16367, 17193..17324, 22380..22452		
GI Descrip.	(AC002983) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28452	Strand	+
Start	9812	End	22872
Name	OJ991101_09.0131.C25.o4.gs	Method	GENSCAN
Start	14325	End	19267
GI	none	Score	.63
Exons	14325..14370, 14648..14770, 15072..15277, 15628..15664, 17335..17528, 17567..17777, 18509..18602, 19075..19267		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28452	Strand	+
Start	9812	End	22872
Name	OJ991101_09.0131.C25.o3.gp	Method	AAT/GAP
Start	14543	End	15222
GI	5607577	Score	1253
Exons	14543..15222		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28452	Strand	+
Start	9812	End	22872
Name	OJ991101_09.0131.C25.o2.np	Method	AAT/NAP
Start	14898	End	18283
GI	3377817	Score	182
Exons	14898..14928, 15763..16140, 16218..16398, 18215..18283		
GI Descrip.	(AF076275) contains similarity to C3HC4-type zinc fingers (Pfam: zf-C3HC4.hmm, score: 29.48) [Arabidopsis thaliana]		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28452	Strand	+
Start	9812	End	22872
Name	OJ991101_09.0131.C25.o3.np	Method	AAT/NAP
Start	19139	End	19552
GI	585963	Score	120
Exons	19139..19231, 19439..19552		
GI Descrip.	PROTEIN TRANSPORT PROTEIN SEC61 GAMMA SUBUNIT		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28452	Strand	+
Start	9812	End	22872
Name	OJ991101_09.0131.C25.o5.gs	Method	GENSCAN
Start	21112	End	21442
GI	none	Score	.67
Exons	21112..21216, 21368..21442		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28452	Strand	+
Start	9812	End	22872

Name	OJ991101_09.0131.C25.o6.gs	Method	GENSCAN
Start	22294	End	22872
GI	none	Score	.97
Exons	22294..22872		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28453	Strand	-
Start	1807	End	3322
Name	OJ991101_09.0131.C25.o2.gs	Method	GENSCAN
Start	1807	End	3322
GI	none	Score	.55
Exons	1807..1848, 2208..2309, 2453..2525, 2915..3058, 3222..3322		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28454	Strand	-
Start	4847	End	11134
Name	OJ991101_09.0131.C25.o1.gp	Method	AAT/GAP
Start	4661	End	4922
GI	57406_1.R1084	Score	359
Exons	4661..4922		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28454	Strand	-
Start	4847	End	11134
Name	OJ991101_09.0131.C25.o3.gs	Method	GENSCAN
Start	4847	End	11134
GI	none	Score	.74
Exons	4847..4929, 7411..7521, 7599..7708, 7787..7923, 8331..8395, 11035..11134		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28454	Strand	-
Start	4847	End	11134
Name	OJ991101_09.0131.C25.o2.gp	Method	AAT/GAP
Start	6984	End	7856
GI	57406_1.R1084	Score	456
Exons	6984..7025, 7411..7521, 7599..7708, 7786..7856		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	13373	Seq. ID	OJ991101_09.0131.C25
Gene No.	28455	Strand	-
Start	18966	End	20592
Name	OJ991101_09.0131.C25.o4.np	Method	AAT/NAP
Start	18966	End	20592
GI	6539588	Score	133
Exons	18966..19000, 20025..20121, 20286..20592		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	13374	Seq. ID	OJ991101_09.0131.C26
Gene No.	28456	Strand	-
Start	988	End	1087
Name	OJ991101_09.0131.C26.o1.gs	Method	GENSCAN
Start	988	End	1087
GI	none	Score	.67

Exons	988..1087		
Seq. No.	13375	Seq. ID	OJ991101_09.0131.C27
Gene No.	28457	Strand	+
Start	121	End	620
Name	OJ991101_09.0131.C27.o1.gs	Method	GENSCAN
Start	121	End	620
GI	none	Score	.92
Exons	121..620		
Seq. No.	13376	Seq. ID	OJ990821_55.0110.C1
Gene No.	28458	Strand	+
Start	735	End	7580
Name	OJ990821_55.0110.C1.o1.gs	Method	GENSCAN
Start	735	End	7580
GI	none	Score	.55
Exons	735..863, 2861..3008, 3159..3224, 3310..3480, 3573..3593, 3685..4200, 4290..4523, 5926..6040, 6190..6232, 7508..7580		
Seq. No.	13376	Seq. ID	OJ990821_55.0110.C1
Gene No.	28458	Strand	+
Start	735	End	7580
Name	OJ990821_55.0110.C1.o1.np	Method	AAT/NAP
Start	2262	End	4570
GI	5902387	Score	820
Exons	2262..2380, 2918..3008, 3093..3224, 3310..3480, 3573..3593, 3685..4212, 4257..4570		
GI Descrip.	(AC009322) Similar to polygalacturonases [Arabidopsis thaliana]		
Seq. No.	13376	Seq. ID	OJ990821_55.0110.C1
Gene No.	28458	Strand	+
Start	735	End	7580
Name	OJ990821_55.0110.C1.o1.ts	Method	TBLASTX:Soybean
Start	2886	End	4421
GI	none	Score	54
Exons	2886..3008, 3090..3122, 3114..3200, 3304..3369, 3373..3468, 3685..4176, 3738..3839, 3891..4175, 4284..4340, 4347..4421		
Seq. No.	13376	Seq. ID	OJ990821_55.0110.C1
Gene No.	28458	Strand	+
Start	735	End	7580
Name	OJ990821_55.0110.C1.o1.tm	Method	TBLASTX:Maize
Start	3090	End	4508
GI	none	Score	63
Exons	3090..3161, 3168..3227, 3649..4083, 3753..3845, 3891..4079, 4108..4173, 4292..4468, 4293..4508		
Seq. No.	13376	Seq. ID	OJ990821_55.0110.C1
Gene No.	28458	Strand	+
Start	735	End	7580
Name	OJ990821_55.0110.C1.o1.tc	Method	TBLASTX:Cress
Start	3688	End	4508
GI	none	Score	348
Exons	3688..4086, 3708..3989, 3883..4080, 4093..4173, 4293..4508		
Seq. No.	13377	Seq. ID	OJ990821_55.0110.C2
Gene No.	28459	Strand	-

Start	180	End	335
Name	OJ990821_55.0110.C2.o1.gs	Method	GENSCAN
Start	180	End	335
GI	none	Score	.41
Exons	180..335		

Seq. No.	13378	Seq. ID	OJ990821_55.0110.C3
Gene No.	28460	Strand	-
Start	60	End	557
Name	OJ990821_55.0110.C3.o1.gs	Method	GENSCAN
Start	60	End	557
GI	none	Score	.95
Exons	60..401, 434..557		

Seq. No.	13379	Seq. ID	OJ990821_55.0110.C5
Gene No.	28461	Strand	-
Start	265	End	961
Name	OJ990821_55.0110.C5.o1.gs	Method	GENSCAN
Start	265	End	961
GI	none	Score	.64
Exons	265..339, 527..698, 935..961		

Seq. No.	13379	Seq. ID	OJ990821_55.0110.C5
Gene No.	28462	Strand	-
Start	1184	End	1461
Name	OJ990821_55.0110.C5.o1.gp	Method	AAT/GAP
Start	1184	End	1461
GI	LIB3434-038-P1-K1-F1	Score	343
Exons	1184..1461		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	13380	Seq. ID	OJ990821_55.0110.C7
Gene No.	28463	Strand	+
Start	1045	End	1350
Name	OJ990821_55.0110.C7.o1.gs	Method	GENSCAN
Start	1045	End	1350
GI	none	Score	.99
Exons	1045..1350		

Seq. No.	13381	Seq. ID	OJ990821_55.0110.C8
Gene No.	28464	Strand	+
Start	5425	End	6163
Name	OJ990821_55.0110.C8.o1.gp	Method	AAT/GAP
Start	5425	End	6163
GI	none	Score	1419
Exons	5425..6163		

Seq. No.	13381	Seq. ID	OJ990821_55.0110.C8
Gene No.	28465	Strand	-
Start	608	End	2083
Name	OJ990821_55.0110.C8.o1.gs	Method	GENSCAN
Start	608	End	2083
GI	none	Score	.73
Exons	608..1165, 1545..1738, 1987..2083		

Seq. No.	13382	Seq. ID	OJ990821_55.0110.C9

Gene No.	28466	Strand	+
Start	555	End	10823
Name	OJ990821_55.0110.C9.o1.np	Method	AAT/NAP
Start	555	End	10823
GI	6382521	Score	711
Exons	555..886, 1437..1567, 1798..1907, 2583..3190, 3433..3577, 6182..6409, 10538..10823		
GI Descrip.	(AC011020) putative DNA polymerase zeta catalytic subunit [Arabidopsis thaliana]		

Seq. No.	13382	Seq. ID	OJ990821_55.0110.C9
Gene No.	28467	Strand	-
Start	1804	End	6440
Name	OJ990821_55.0110.C9.o1.gs	Method	GENSCAN
Start	1804	End	6440
GI	none	Score	.62
Exons	1804..1910, 4199..4843, 5148..5244, 6288..6440		

Seq. No.	13382	Seq. ID	OJ990821_55.0110.C9
Gene No.	28468	Strand	-
Start	7734	End	9832
Name	OJ990821_55.0110.C9.o1.tm	Method	TBLASTX:Maize
Start	1840	End	3088
GI	none	Score	138
Exons	1840..1953, 1843..1965, 2616..2678, 2617..2673, 2656..2775, 2657..2776, 2744..2812, 2773..2814, 2777..2818, 2811..3050, 2813..3052, 2813..3049, 3038..3088, 3047..3088		

Seq. No.	13382	Seq. ID	OJ990821_55.0110.C9
Gene No.	28468	Strand	-
Start	7734	End	9832
Name	OJ990821_55.0110.C9.o2.np	Method	AAT/NAP
Start	7734	End	8129
GI	542176	Score	332
Exons	7734..8129		
GI Descrip.	probable finger protein WZF1 - wheat gi|485814|dbj|BAA03901| (D16415) WZF1 [Triticum aestivum] gi|485816|dbj|BAA03902| (D16416) WZF1 [Triticum aestivum]		

Seq. No.	13382	Seq. ID	OJ990821_55.0110.C9
Gene No.	28468	Strand	-
Start	7734	End	9832
Name	OJ990821_55.0110.C9.o2.tm	Method	TBLASTX:Maize
Start	7737	End	8006
GI	none	Score	82
Exons	7737..7850, 7768..7869, 7770..7868, 7887..7949, 7888..7956, 7989..8006		

Seq. No.	13382	Seq. ID	OJ990821_55.0110.C9
Gene No.	28468	Strand	-
Start	7734	End	9832
Name	OJ990821_55.0110.C9.o1.tw	Method	TBLASTX:Wheat
Start	7754	End	9832
GI	none	Score	56
Exons	7754..7810, 7756..7809, 7758..7850, 7770..7940, 7774..7866, 7860..7949, 7861..7956, 7912..7998, 8088..8111, 9617..9832		

Seq. No.	13383	Seq. ID	OJ990821_55.0110.C10
Gene No.	28469	Strand	+
Start	314	End	394
Name	OJ990821_55.0110.C10.o1.gs	Method	GENSCAN
Start	314	End	394
GI	none	Score	.52
Exons	314..394		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o1.np	Method	AAT/NAP
Start	1	End	1740
GI	421954	Score	897
Exons	1..1247, 1395..1740		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	280
GI	none	Score	266
Exons	1..195, 3..194, 16..210, 183..278, 197..280, 199..279		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o2.tc	Method	TBLASTX:Cress
Start	49	End	252
GI	none	Score	179
Exons	49..252, 61..249, 147..242		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o1.ts	Method	TBLASTX:Soybean
Start	129	End	531
GI	none	Score	95
Exons	129..215, 130..216, 220..531, 264..530		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o1.tw	Method	TBLASTX:Wheat
Start	139	End	795
GI	none	Score	309
Exons	139..573, 204..569, 589..678, 673..795		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o1.gs	Method	GENSCAN
Start	244	End	1530
GI	none	Score	.54
Exons	244..1530		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o2.tm	Method	TBLASTX:Maize
Start	286	End	882
GI	none	Score	324
Exons	286..882, 309..560, 582..734		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o1.tc	Method	TBLASTX:Cress
Start	367	End	810
GI	none	Score	206
Exons	367..615, 369..602, 637..810		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o3.ts	Method	TBLASTX:Soybean
Start	676	End	831
GI	none	Score	186
Exons	676..831, 684..755		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o2.ts	Method	TBLASTX:Soybean
Start	1519	End	1734
GI	none	Score	194
Exons	1519..1734, 1530..1724		

Seq. No.	13384	Seq. ID	OJ990821_55.0110.C11
Gene No.	28470	Strand	+
Start	1	End	1740
Name	OJ990821_55.0110.C11.o3.tm	Method	TBLASTX:Maize
Start	1543	End	1740
GI	none	Score	212
Exons	1543..1734, 1543..1740		

Seq. No.	13385	Seq. ID	OJ990821_55.0110.C12
Gene No.	28471	Strand	+
Start	1	End	550
Name	OJ990821_55.0110.C12.o1.np	Method	AAT/NAP
Start	1	End	547
GI	2462936	Score	468
Exons	1..547		
GI Descrip.	(Y12321) open reading frame 2 [Brassica oleracea]		

Seq. No.	13385	Seq. ID	OJ990821_55.0110.C12
Gene No.	28471	Strand	+
Start	1	End	550
Name	OJ990821_55.0110.C12.o1.gs	Method	GENSCAN
Start	78	End	550
GI	none	Score	.59
Exons	78..550		

Seq. No.	13385	Seq. ID	OJ990821_55.0110.C12
Gene No.	28472	Strand	-
Start	1091	End	1998
Name	OJ990821_55.0110.C12.o1.ts	Method	TBLASTX:Soybean
Start	2	End	571
GI	none	Score	517
Exons	2..571, 5..229, 313..408, 505..555		

Seq. No.	13385	Seq. ID	OJ990821_55.0110.C12
Gene No.	28472	Strand	-
Start	1091	End	1998
Name	OJ990821_55.0110.C12.o2.tm	Method	TBLASTX:Maize
Start	2	End	220
GI	none	Score	209
Exons	2..220, 4..81, 124..219		

Seq. No.	13385	Seq. ID	OJ990821_55.0110.C12
Gene No.	28472	Strand	-
Start	1091	End	1998
Name	OJ990821_55.0110.C12.o1.tw	Method	TBLASTX:Wheat
Start	20	End	484
GI	none	Score	140
Exons	20..262, 121..246, 308..484		

Seq. No.	13385	Seq. ID	OJ990821_55.0110.C12
Gene No.	28472	Strand	-
Start	1091	End	1998
Name	OJ990821_55.0110.C12.o1.tc	Method	TBLASTX:Cress
Start	80	End	534
GI	none	Score	63
Exons	80..151, 152..259, 308..529, 316..534		

Seq. No.	13385	Seq. ID	OJ990821_55.0110.C12
Gene No.	28472	Strand	-
Start	1091	End	1998
Name	OJ990821_55.0110.C12.o1.tm	Method	TBLASTX:Maize
Start	222	End	603
GI	none	Score	159
Exons	222..554, 222..425, 223..603, 224..556		

Seq. No.	13385	Seq. ID	OJ990821_55.0110.C12
Gene No.	28472	Strand	-
Start	1091	End	1998
Name	OJ990821_55.0110.C12.o2.gs	Method	GENSCAN
Start	1091	End	1998
GI	none	Score	.52
Exons	1091..1116, 1857..1998		

Seq. No.	13386	Seq. ID	OJ990821_55.0110.C13
Gene No.	28473	Strand	-
Start	602	End	1268
Name	OJ990821_55.0110.C13.o1.gs	Method	GENSCAN
Start	602	End	1268
GI	none	Score	.78
Exons	602..677, 1204..1268		

Seq. No.	13387	Seq. ID	OJ990821_55.0110.C14
Gene No.	28474	Strand	+
Start	260	End	1161
Name	OJ990821_55.0110.C14.o1.gs	Method	GENSCAN
Start	260	End	1161
GI	none	Score	.77
Exons	260..319, 979..1161		

Seq. No.	13387	Seq. ID	OJ990821_55.0110.C14
Gene No.	28475	Strand	+
Start	2075	End	4519
Name	OJ990821_55.0110.C14.o2.gs	Method	GENSCAN
Start	2075	End	4519
GI	none	Score	.66
Exons	2075..2143, 3003..3062, 3270..3344, 4442..4519		

Seq. No.	13387	Seq. ID	OJ990821_55.0110.C14
Gene No.	28476	Strand	-
Start	7215	End	7647
Name	OJ990821_55.0110.C14.o3.gs	Method	GENSCAN
Start	7215	End	7647
GI	none	Score	.83
Exons	7215..7647		

Seq. No.	13388	Seq. ID	OJ990821_55.0110.C15
Gene No.	28477	Strand	+
Start	1396	End	3022
Name	OJ990821_55.0110.C15.o1.gs	Method	GENSCAN
Start	1396	End	3022
GI	none	Score	.98
Exons	1396..1592, 2898..3022		

Seq. No.	13388	Seq. ID	OJ990821_55.0110.C15
Gene No.	28478	Strand	+
Start	4682	End	4793
Name	OJ990821_55.0110.C15.o2.gs	Method	GENSCAN
Start	4682	End	4793
GI	none	Score	.57
Exons	4682..4793		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28479	Strand	+
Start	1300	End	4223
Name	OJ990821_55.0110.C16.o1.gp	Method	AAT/GAP
Start	983	End	1720
GI	29501_1.R1084	Score	1030
Exons	983..1153, 1245..1490, 1599..1720		
GI Descrip.	'282994/pir||S27762 4.0e-50 Sip1 protein - barley >gi_167100 (M77475) seed imbibition protein [Hordeum vulgare]'		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28479	Strand	+
Start	1300	End	4223
Name	OJ990821_55.0110.C16.o1.gs	Method	GENSCAN
Start	1300	End	4223
GI	none	Score	.91
Exons	1300..1490, 1599..1855, 1984..2118, 2365..2810, 2825..3250,		

3309..3535, 3611..4223

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28479	Strand	+
Start	1300	End	4223
Name	OJ990821_55.0110.C16.o1.np	Method	AAT/NAP
Start	1300	End	4220
GI	282994	Score	3066
Exons	1300..1490, 1599..1855, 1984..2074, 2201..2248, 2365..3250, 3333..3535, 3611..4220		
GI Descrip.	Sip1 protein - barley gi|167100 (M77475) seed imbibition protein [Hordeum vulgare]		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28479	Strand	+
Start	1300	End	4223
Name	OJ990821_55.0110.C16.o3.gp	Method	AAT/GAP
Start	2999	End	3201
GI	uC-osrocyp016a07a1	Score	390
Exons	2999..3201		
GI Descrip.	'282994/pir||S27762 4.0e-30 Sip1 protein - barley >gi_167100 (M77475) seed imbibition protein [Hordeum vulgare]'		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28479	Strand	+
Start	1300	End	4223
Name	OJ990821_55.0110.C16.o4.gp	Method	AAT/GAP
Start	3385	End	3984
GI	uC-osflcyp021c06b1	Score	991
Exons	3385..3535, 3611..3984		
GI Descrip.	'282994/pir||S27762 1.0e-63 Sip1 protein - barley >gi_167100 (M77475) seed imbibition protein [Hordeum vulgare]'		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28480	Strand	-
Start	2486	End	2989
Name	OJ990821_55.0110.C16.o2.gp	Method	AAT/GAP
Start	2486	End	2989
GI	57092_1.R1084	Score	887
Exons	2486..2989		
GI Descrip.	'282994/pir||S27762 8.0e-60 Sip1 protein - barley >gi_167100 (M77475) seed imbibition protein [Hordeum vulgare]'		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28481	Strand	-
Start	4100	End	4529
Name	OJ990821_55.0110.C16.o2.tc	Method	TBLASTX:Cress
Start	1288	End	4208
GI	none	Score	170
Exons	1288..1491, 1597..1707, 1605..1706, 1756..1857, 1980..2075, 3608..3700, 3609..3737, 3822..3914, 4068..4208		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28481	Strand	-
Start	4100	End	4529
Name	OJ990821_55.0110.C16.o1.tm	Method	TBLASTX:Maize
Start	1294	End	4225

GI	none	Score	305
Exons	1294..1491, 1366..1491, 1591..1677, 1597..1719, 1599..1721, 1759..1857, 1797..1856, 1804..1863, 1980..2075, 1982..2074, 1983..2075, 2210..2251, 2218..2250, 2362..2403, 2363..2494, 2403..2528, 2546..2644, 2547..2645, 2628..2753, 2630..2767, 2759..2815, 2760..2816, 2816..3055, 2822..3250, 2830..3249, 3332..3631, 3333..3533, 3608..3736, 3609..3737, 3609..3794, 3783..3911, 3822..3917, 3827..3913, 3975..3995, 4055..4225, 4068..4223		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28481	Strand	-
Start	4100	End	4529
Name	OJ990821_55.0110.C16.o1.ts	Method	TBLASTX:Soybean
Start	1296	End	4223
GI	none	Score	204
Exons	1296..1391, 1297..1488, 1605..1706, 1606..1707, 1762..1857, 1956..2075, 1958..2074, 1983..2075, 2210..2251, 2362..2403, 2367..2402, 2402..2494, 2403..2543, 2558..2617, 2559..2627, 2642..2755, 2643..2756, 2738..2812, 2754..2813, 2816..2971, 2822..3250, 2830..2994, 3037..3246, 3332..3526, 3333..3527, 3606..3722, 3608..3736, 3609..3737, 3822..3917, 3839..3916, 4068..4223		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28481	Strand	-
Start	4100	End	4529
Name	OJ990821_55.0110.C16.o1.tc	Method	TBLASTX:Cress
Start	2357	End	3535
GI	none	Score	88
Exons	2357..2494, 2365..2403, 2403..2534, 2558..2617, 2559..2630, 2654..2755, 2655..2756, 2738..2812, 2754..2813, 2822..3250, 2830..3249, 3332..3535, 3333..3530		

Seq. No.	13389	Seq. ID	OJ990821_55.0110.C16
Gene No.	28481	Strand	-
Start	4100	End	4529
Name	OJ990821_55.0110.C16.o5.gp	Method	AAT/GAP
Start	4100	End	4529
GI	none	Score	788
Exons	4100..4529		

Seq. No.	13390	Seq. ID	OJ990821_55.0110.C17
Gene No.	28482	Strand	-
Start	1	End	1416
Name	OJ990821_55.0110.C17.o1.gp	Method	AAT/GAP
Start	1	End	617
GI	none	Score	746
Exons	1..357, 577..617		

Seq. No.	13390	Seq. ID	OJ990821_55.0110.C17
Gene No.	28482	Strand	-
Start	1	End	1416
Name	OJ990821_55.0110.C17.o1.np	Method	AAT/NAP
Start	295	End	1402
GI	1581615	Score	245
Exons	295..357, 574..660, 772..876, 963..1085, 1157..1228, 1338..1402		

GI Descrip. oligosaccharyltransferase [Homo sapiens]

Seq. No.	13390	Seq. ID	OJ990821_55.0110.C17
Gene No.	28482	Strand	-
Start	1	End	1416
Name	OJ990821_55.0110.C17.o1.tc	Method	TBLASTX:Cress
Start	310	End	1415
GI	none	Score	95
Exons	310..357, 453..479, 574..663, 578..679, 769..879, 769..879, 773..904, 960..1085, 960..1085, 961..1086, 1127..1231, 1148..1234, 1317..1415, 1339..1410		

Seq. No.	13390	Seq. ID	OJ990821_55.0110.C17
Gene No.	28482	Strand	-
Start	1	End	1416
Name	OJ990821_55.0110.C17.o1.gs	Method	GENSCAN
Start	577	End	1228
GI	none	Score	.86
Exons	577..660, 772..876, 960..1127, 1157..1228		

Seq. No.	13390	Seq. ID	OJ990821_55.0110.C17
Gene No.	28482	Strand	-
Start	1	End	1416
Name	OJ990821_55.0110.C17.o1.ts	Method	TBLASTX:Soybean
Start	578	End	1416
GI	none	Score	96
Exons	578..664, 580..663, 594..665, 754..864, 765..878, 769..879, 773..877, 951..1085, 960..1085, 967..1086, 1127..1231, 1155..1229, 1317..1415, 1342..1416		

Seq. No.	13390	Seq. ID	OJ990821_55.0110.C17
Gene No.	28482	Strand	-
Start	1	End	1416
Name	OJ990821_55.0110.C17.o1.tm	Method	TBLASTX:Maize
Start	583	End	1416
GI	none	Score	117
Exons	583..663, 584..661, 615..665, 769..879, 769..879, 782..901, 951..1085, 960..1085, 964..1086, 1127..1231, 1147..1230, 1310..1411, 1317..1415, 1339..1416		

Seq. No.	13390	Seq. ID	OJ990821_55.0110.C17
Gene No.	28482	Strand	-
Start	1	End	1416
Name	OJ990821_55.0110.C17.o2.gp	Method	AAT/GAP
Start	1161	End	1415
GI	7895_1.R1084	Score	250
Exons	1161..1228, 1338..1415		

GI Descrip. '730241/sp|P39656|OST4_HUMAN 9.0e-57 DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN GLYCOSYLTRANSFERASE 48 KD SUBUNIT PRECURSOR (OLIGOSACCHARYL TRANSFERASE 48 KD SUBUNIT) (DDOST 48 KD SUBUNIT) (KIAA0115) (HA0643) >gi_473947_dbj_BAA06126_ (D29643) similar to Canis oligosaccharyltransferase 48 kDa subunit (M98392). [Homo sapiens]'

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28483	Strand	+

Start	3609	End	4112
Name	OJ990821_55.0110.C18.o2.gp	Method	AAT/GAP
Start	3609	End	4112
GI	36950_1.R1084	Score	955
Exons	3609..4112		
GI Descrip.	'2464901/emb|CAB16804.1| 2.0e-09 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28484	Strand	-
Start	1	End	2580
Name	OJ990821_55.0110.C18.o1.gp	Method	AAT/GAP
Start	1	End	2580
GI	7895_1.R1084	Score	1513
Exons	1..70, 137..192, 630..743, 866..919, 1345..1470, 1561..1697, 2258..2580		
GI Descrip.	'730241/sp|P39656|OST4_HUMAN 9.0e-57 DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN GLYCOSYLTRANSFERASE 48 KD SUBUNIT PRECURSOR (OLIGOSACCHARYL TRANSFERASE 48 KD SUBUNIT) (DDOST 48 KD SUBUNIT) (KIAA0115) (HA0643) >gi_473947_dbj_BAA06126_ (D29643) similar to Canis oligosaccharyltransferase 48 kDa subunit (M98392). [Homo sapiens]'		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28484	Strand	-
Start	1	End	2580
Name	OJ990821_55.0110.C18.o1.gs	Method	GENSCAN
Start	29	End	2537
GI	none	Score	.88
Exons	29..70, 137..192, 866..919, 1345..1470, 1561..1697, 2258..2369, 2409..2537		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o4.tm	Method	TBLASTX:Maize
Start	23	End	2411
GI	none	Score	63
Exons	23..70, 26..70, 28..84, 30..71, 33..92, 124..198, 125..196, 134..199, 135..197, 135..200, 620..739, 621..743, 628..744, 630..743, 631..753, 848..919, 864..920, 864..920, 865..975, 1341..1490, 1343..1471, 1345..1500, 1559..1726, 1561..1695, 2256..2411, 2257..2403		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o3.ts	Method	TBLASTX:Soybean
Start	37	End	2411
GI	none	Score	70
Exons	37..87, 124..198, 125..196, 134..199, 621..743, 631..744, 848..919, 864..920, 1342..1419, 1345..1500, 1559..1696, 1561..1698, 1561..1695, 2256..2411, 2257..2403		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-

Start	3963	End	7343
Name	OJ990821_55.0110.C18.o3.tc	Method	TBLASTX:Cress
Start	869	End	2411
GI	none	Score	55
Exons	869..919, 1303..1500, 1341..1457, 1346..1471, 1559..1693, 1560..1694, 1561..1695, 1561..1695, 2256..2411, 2257..2403		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o1.tw	Method	TBLASTX:Wheat
Start	1340	End	1710
GI	none	Score	131
Exons	1340..1471, 1341..1460, 1342..1473, 1345..1473, 1559..1708, 1559..1690, 1561..1710		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o5.tm	Method	TBLASTX:Maize
Start	3960	End	4139
GI	none	Score	94
Exons	3960..4139, 3963..4085, 3970..4134		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o2.gs	Method	GENSCAN
Start	3963	End	7343
GI	none	Score	.61
Exons	3963..4561, 4648..4823, 5449..5980, 6170..6327, 7151..7343		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o1.np	Method	AAT/NAP
Start	3966	End	7066
GI	2464901	Score	1490
Exons	3966..4561, 4648..4790, 5449..6057, 6952..7066		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana]		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o2.ts	Method	TBLASTX:Soybean
Start	4065	End	4295
GI	none	Score	142
Exons	4065..4109, 4116..4295, 4120..4293		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o1.tm	Method	TBLASTX:Maize
Start	4171	End	4549
GI	none	Score	475
Exons	4171..4545, 4173..4544, 4406..4549		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o2.tc	Method	TBLASTX:Cress
Start	4266	End	4778
GI	none	Score	95
Exons	4266..4568, 4646..4777, 4647..4751, 4650..4778		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o3.gp	Method	AAT/GAP
Start	4755	End	5888
GI	uC-osflcyp154b08b1	Score	982
Exons	4755..4823, 5449..5888		
GI Descrip.	'2464901/emb|CAB16804.1| 2.0e-52 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o3.tm	Method	TBLASTX:Maize
Start	5447	End	5733
GI	none	Score	39
Exons	5447..5473, 5448..5471, 5469..5675, 5478..5672, 5479..5673, 5670..5732, 5671..5733		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o1.tc	Method	TBLASTX:Cress
Start	5736	End	6059
GI	none	Score	187
Exons	5736..5987, 5737..5949, 5987..6055, 5991..6059		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o2.tm	Method	TBLASTX:Maize
Start	5759	End	6074
GI	none	Score	320
Exons	5759..5986, 5760..5984, 5760..5987, 5762..5989, 5988..6074, 5988..6074		

Seq. No.	13391	Seq. ID	OJ990821_55.0110.C18
Gene No.	28485	Strand	-
Start	3963	End	7343
Name	OJ990821_55.0110.C18.o1.ts	Method	TBLASTX:Soybean
Start	5859	End	6073
GI	none	Score	65
Exons	5859..5987, 5875..5949, 5927..5992, 5987..6073, 5988..6062		

Seq. No.	13392	Seq. ID	OJ990821_55.0110.C19
Gene No.	28486	Strand	-
Start	200	End	557
Name	OJ990821_55.0110.C19.o1.tm	Method	TBLASTX:Maize
Start	193	End	505

GI	none	Score	68
Exons	193..288, 203..298, 204..287, 272..361, 365..505, 386..505		

Seq. No.	13392	Seq. ID	OJ990821_55.0110.C19
Gene No.	28486	Strand	-
Start	200	End	557
Name	OJ990821_55.0110.C19.o1.np	Method	AAT/NAP
Start	194	End	557
GI	6069570	Score	224
Exons	194..557		
GI Descrip.	(AB022081) ORF-c [Brassica rapa]		

Seq. No.	13392	Seq. ID	OJ990821_55.0110.C19
Gene No.	28486	Strand	-
Start	200	End	557
Name	OJ990821_55.0110.C19.o1.gs	Method	GENSCAN
Start	200	End	529
GI	none	Score	1
Exons	200..529		

Seq. No.	13392	Seq. ID	OJ990821_55.0110.C19
Gene No.	28486	Strand	-
Start	200	End	557
Name	OJ990821_55.0110.C19.o1.tw	Method	TBLASTX:Wheat
Start	383	End	554
GI	none	Score	117
Exons	383..523, 386..553, 396..554, 396..554		

Seq. No.	13393	Seq. ID	OJ990821_55.0110.C20
Gene No.	28487	Strand	-
Start	232	End	842
Name	OJ990821_55.0110.C20.o1.gs	Method	GENSCAN
Start	232	End	842
GI	none	Score	.79
Exons	232..357, 496..687, 706..842		

Seq. No.	13394	Seq. ID	OJ990821_55.0110.C22
Gene No.	28488	Strand	+
Start	2107	End	2651
Name	OJ990821_55.0110.C22.o2.gs	Method	GENSCAN
Start	2107	End	2651
GI	none	Score	.92
Exons	2107..2191, 2404..2651		

Seq. No.	13394	Seq. ID	OJ990821_55.0110.C22
Gene No.	28489	Strand	-
Start	80	End	1639
Name	OJ990821_55.0110.C22.o1.gs	Method	GENSCAN
Start	80	End	1639
GI	none	Score	.71
Exons	80..615, 754..914, 1536..1639		

Seq. No.	13394	Seq. ID	OJ990821_55.0110.C22
Gene No.	28490	Strand	-
Start	2194	End	5347
Name	OJ990821_55.0110.C22.o1.np	Method	AAT/NAP
Start	2194	End	5347

GI	5734621	Score	64
Exons	2194..2266, 4726..4965, 5323..5347		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28491	Strand	+
Start	673	End	966
Name	OJ990821_55.0110.C23.o2.gs	Method	GENSCAN
Start	673	End	966
GI	none	Score	.93
Exons	673..966		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28492	Strand	+
Start	1779	End	3840
Name	OJ990821_55.0110.C23.o1.np	Method	AAT/NAP
Start	1779	End	3840
GI	6721561	Score	132
Exons	1779..1869, 2335..2411, 3796..3840		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28492	Strand	+
Start	1779	End	3840
Name	OJ990821_55.0110.C23.o2.np	Method	AAT/NAP
Start	2769	End	2995
GI	5091610	Score	254
Exons	2769..2995		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28493	Strand	+
Start	7503	End	17469
Name	OJ990821_55.0110.C23.o4.gs	Method	GENSCAN
Start	7503	End	17189
GI	none	Score	.57
Exons	7503..7565, 7672..7689, 9615..9769, 11660..11717, 11762..11910, 11969..11994, 12054..12085, 12216..12408, 12704..12954, 13035..13134, 13226..13415, 13878..14144, 14236..14581, 14915..15040, 15133..15345, 15507..15765, 16305..16522, 16770..17189		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28493	Strand	+
Start	7503	End	17469
Name	OJ990821_55.0110.C23.o3.np	Method	AAT/NAP
Start	12189	End	17186
GI	6446577	Score	4248
Exons	12189..12408, 12704..12877, 12911..12954, 13032..13142, 13243..13415, 13878..14144, 14236..14581, 14671..14807, 14915..15040, 15133..15345, 15507..15765, 15856..16057,		

	16172..16522, 16605..17186		
GI Descrip.	(AF150630) cellulose synthase catalytic subunit [Gossypium hirsutum]		
Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28493	Strand	+
Start	7503	End	17469
Name	OJ990821_55.0110.C23.o2.gp	Method	AAT/GAP
Start	13258	End	14731
GI	32277_1.R1084	Score	1521
Exons	13258..13415, 13878..14144, 14236..14582, 14673..14731		
GI Descrip.	'2827143 1.0e-112 (AF027174) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		
Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28493	Strand	+
Start	7503	End	17469
Name	OJ990821_55.0110.C23.o3.gp	Method	AAT/GAP
Start	14743	End	15997
GI	39985_1.R1084	Score	1522
Exons	14743..14807, 14915..15040, 15133..15345, 15507..15765, 15856..15997		
GI Descrip.	'5081779/gb|AAD39534.1| 1.0e-132 (AF150630) cellulose synthase [Gossypium hirsutum]'		
Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28493	Strand	+
Start	7503	End	17469
Name	OJ990821_55.0110.C23.o4.gp	Method	AAT/GAP
Start	16175	End	16717
GI	LIB3434-013-P1-K1-E12	Score	870
Exons	16175..16522, 16605..16717		
GI Descrip.	'5081779/gb|AAD39534.1| 2.0e-71 (AF150630) cellulose synthase [Gossypium hirsutum]'		
Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28493	Strand	+
Start	7503	End	17469
Name	OJ990821_55.0110.C23.o5.gp	Method	AAT/GAP
Start	16766	End	17469
GI	17495_1.R1084	Score	1340
Exons	16766..17469		
GI Descrip.	'5081779/gb|AAD39534.1| 9.0e-61 (AF150630) cellulose synthase [Gossypium hirsutum]'		
Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28494	Strand	-
Start	1110	End	5418
Name	OJ990821_55.0110.C23.o3.gs	Method	GENSCAN
Start	1110	End	5418
GI	none	Score	.63
Exons	1110..1208, 1701..1826, 4572..4736, 4828..5418		
Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28495	Strand	-
Start	5345	End	5480
Name	OJ990821_55.0110.C23.o1.gp	Method	AAT/GAP

Start	5345	End	5480
GI	none	Score	264
Exons	5345..5480		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	
Start	12080	End	17384
Name	OJ990821_55.0110.C23.o3.tm	Method	TBLASTX:Maize
Start	12080	End	12762
GI	none	Score	343
Exons	12080..12133, 12158..12412, 12210..12410, 12697..12762		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	
Start	12080	End	17384
Name	OJ990821_55.0110.C23.o2.ts	Method	TBLASTX:Soybean
Start	12234	End	14004
GI	none	Score	282
Exons	12234..12410, 12236..12412, 12697..12801, 13246..13329, 13257..13307, 13882..13959, 13960..14004		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	
Start	12080	End	17384
Name	OJ990821_55.0110.C23.o1.tc	Method	TBLASTX:Cress
Start	12239	End	17203
GI	none	Score	266
Exons	12239..12412, 12240..12410, 12793..12876, 13255..13329, 13257..13307, 13327..13416, 13338..13415, 13878..14126, 13879..14145, 13879..14136, 14001..14147, 14212..14580, 14233..14592, 14234..14581, 14656..14727, 14670..14726, 14711..14809, 14715..14822, 14724..14810, 14746..14823, 14912..15046, 14915..15043, 14926..15045, 14971..15051, 15132..15176, 15132..15353, 15133..15351, 15500..15613, 15507..15638, 15615..15767, 15617..15649, 15707..15766, 15851..15997, 15854..15988, 15855..16004, 15855..16004, 15979..16065, 15983..16072, 16166..16531, 16171..16530, 16592..16897, 16596..17192, 16602..17195, 16628..17197, 16925..17203		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	
Start	12080	End	17384
Name	OJ990821_55.0110.C23.o2.tm	Method	TBLASTX:Maize
Start	12781	End	14942
GI	none	Score	74
Exons	12781..12846, 12795..12845, 12846..12953, 12847..12957, 13032..13076, 13034..13069, 13069..13107, 13070..13105, 13071..13106, 13113..13133, 13224..13301, 13227..13301, 13228..13302, 13303..13437, 13303..13416, 13305..13427, 13877..14146, 13879..14145, 14001..14147, 14233..14580, 14233..14592, 14234..14581, 14650..14727, 14668..14709, 14670..14741, 14670..14726, 14714..14809, 14715..14810, 14718..14810, 14900..14941, 14913..14942, 14915..14941		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	

Start	12080	End	17384
Name	OJ990821_55.0110.C23.o1.ts	Method	TBLASTX:Soybean
Start	14005	End	17195
GI	none	Score	186
Exons	14005..14145, 14007..14147, 14233..14592, 14234..14581, 14650..14727, 14668..14709, 14670..14726, 14714..14809, 14715..14810, 14733..14810, 14900..15046, 14915..15043, 15133..15351, 15133..15345, 15134..15346, 15135..15350, 15500..15598, 15507..15614, 15714..15767, 15720..15767, 15850..15873, 15861..16004, 15885..15968, 15980..16072, 15982..16065, 16169..16531, 16171..16530, 16592..16891, 16596..17141, 16602..17195, 16628..17191		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	
Start	12080	End	17384
Name	OJ990821_55.0110.C23.o2.tw	Method	TBLASTX:Wheat
Start	14431	End	15037
GI	none	Score	234
Exons	14431..14592, 14432..14581, 14650..14727, 14670..14726, 14714..14809, 14715..14810, 14721..14810, 14900..15034, 14913..15035, 14915..15037, 14971..15036		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	
Start	12080	End	17384
Name	OJ990821_55.0110.C23.o1.tm	Method	TBLASTX:Maize
Start	14984	End	17384
GI	none	Score	81
Exons	14984..15043, 14998..15075, 14998..15042, 15133..15351, 15134..15346, 15499..15618, 15500..15646, 15507..15623, 15599..15649, 15600..15653, 15707..15766, 15708..15767, 15851..16000, 15853..16002, 15855..16004, 15979..16065, 15983..16072, 16169..16531, 16171..16530, 16602..17195, 16602..17189, 16625..17194, 17277..17339, 17283..17348, 17285..17371, 17331..17384, 17338..17379		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	
Start	12080	End	17384
Name	OJ990821_55.0110.C23.o4.tw	Method	TBLASTX:Wheat
Start	15133	End	15560
GI	none	Score	146
Exons	15133..15243, 15157..15243, 15252..15350, 15253..15351, 15507..15560		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	
Start	12080	End	17384
Name	OJ990821_55.0110.C23.o3.tw	Method	TBLASTX:Wheat
Start	16360	End	16660
GI	none	Score	298
Exons	16360..16530, 16364..16531, 16364..16531, 16602..16658, 16604..16660		

Seq. No.	13395	Seq. ID	OJ990821_55.0110.C23
Gene No.	28496	Strand	

Start	12080	End	17384
Name	OJ990821_55.0110.C23.o1.tw	Method	TBLASTX:Wheat
Start	16661	End	17069
GI	none	Score	593
Exons	16661..17068, 16662..17069, 16662..17069		

Seq. No.	13396	Seq. ID	OJ990821_55.0110.C24
Gene No.	28497	Strand	+
Start	113	End	304
Name	OJ990821_55.0110.C24.o1.gs	Method	GENSCAN
Start	113	End	304
GI	none	Score	.63
Exons	113..304		

Seq. No.	13397	Seq. ID	OJ990821_55.0110.C26
Gene No.	28498	Strand	-
Start	186	End	418
Name	OJ990821_55.0110.C26.o1.gs	Method	GENSCAN
Start	186	End	418
GI	none	Score	.59
Exons	186..418		

Seq. No.	13398	Seq. ID	OJ990821_55.0110.C28
Gene No.	28499	Strand	-
Start	573	End	774
Name	OJ990821_55.0110.C28.o1.gs	Method	GENSCAN
Start	573	End	774
GI	none	Score	.78
Exons	573..774		

Seq. No.	13399	Seq. ID	OJ990821_55.0110.C29
Gene No.	28500	Strand	+
Start	1	End	2708
Name	OJ990821_55.0110.C29.o1.np	Method	AAT/NAP
Start	1	End	2708
GI	4680214	Score	172
Exons	1..27, 2406..2708		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13399	Seq. ID	OJ990821_55.0110.C29
Gene No.	28500	Strand	+
Start	1	End	2708
Name	OJ990821_55.0110.C29.o1.gs	Method	GENSCAN
Start	5	End	2475
GI	none	Score	.53
Exons	5..11, 633..750, 1109..1246, 1270..1362, 2292..2475		

Seq. No.	13399	Seq. ID	OJ990821_55.0110.C29
Gene No.	28500	Strand	+
Start	1	End	2708
Name	OJ990821_55.0110.C29.o1.tm	Method	TBLASTX:Maize
Start	2395	End	2702
GI	none	Score	344
Exons	2395..2544, 2396..2545, 2400..2702, 2401..2697		

Seq. No.	13400	Seq. ID	OJ990821_55.0110.C31
Gene No.	28501	Strand	-

Start	1001	End	1714
Name	OJ990821_55.0110.C31.o1.gs	Method	GENSCAN
Start	1001	End	1714
GI	none	Score	.69
Exons	1001..1031, 1093..1346, 1631..1714		

Seq. No.	13400	Seq. ID	OJ990821_55.0110.C31
Gene No.	28502	Strand	-
Start	3232	End	5437
Name	OJ990821_55.0110.C31.o1.np	Method	AAT/NAP
Start	3211	End	5437
GI	4063751	Score	342
Exons	3211..3864, 4531..4702, 5403..5437		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	13400	Seq. ID	OJ990821_55.0110.C31
Gene No.	28502	Strand	-
Start	3232	End	5437
Name	OJ990821_55.0110.C31.o2.gs	Method	GENSCAN
Start	3232	End	4722
GI	none	Score	.96
Exons	3232..3864, 4338..4424, 4531..4722		

Seq. No.	13400	Seq. ID	OJ990821_55.0110.C31
Gene No.	28502	Strand	-
Start	3232	End	5437
Name	OJ990821_55.0110.C31.o1.tc	Method	TBLASTX:Cress
Start	3253	End	3867
GI	none	Score	307
Exons	3253..3384, 3448..3867		

Seq. No.	13400	Seq. ID	OJ990821_55.0110.C31
Gene No.	28502	Strand	-
Start	3232	End	5437
Name	OJ990821_55.0110.C31.o2.tm	Method	TBLASTX:Maize
Start	3256	End	3669
GI	none	Score	82
Exons	3256..3414, 3443..3580, 3448..3669		

Seq. No.	13400	Seq. ID	OJ990821_55.0110.C31
Gene No.	28502	Strand	-
Start	3232	End	5437
Name	OJ990821_55.0110.C31.o1.ts	Method	TBLASTX:Soybean
Start	3271	End	3867
GI	none	Score	76
Exons	3271..3414, 3277..3411, 3281..3415, 3430..3867, 3455..3571, 3632..3841		

Seq. No.	13400	Seq. ID	OJ990821_55.0110.C31
Gene No.	28502	Strand	-
Start	3232	End	5437
Name	OJ990821_55.0110.C31.o1.tw	Method	TBLASTX:Wheat
Start	3448	End	3795
GI	none	Score	69
Exons	3448..3795, 3509..3712		

Seq. No.	13400	Seq. ID	OJ990821_55.0110.C31

Gene No.	28502	Strand	-
Start	3232	End	5437
Name	OJ990821_55.0110.C31.o1.tm	Method	TBLASTX:Maize
Start	3826	End	4726
GI	none	Score	111
Exons	3826..3867, 4335..4427, 4336..4425, 4547..4723, 4548..4724, 4610..4726		

Seq. No.	13401	Seq. ID	OJ990821_55.0110.C32
Gene No.	28503	Strand	+
Start	1	End	1122
Name	OJ990821_55.0110.C32.o1.np	Method	AAT/NAP
Start	1	End	916
GI	5042454	Score	178
Exons	1..66, 298..470, 863..916		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13401	Seq. ID	OJ990821_55.0110.C32
Gene No.	28503	Strand	+
Start	1	End	1122
Name	OJ990821_55.0110.C32.o1.gs	Method	GENSCAN
Start	207	End	1122
GI	none	Score	.67
Exons	207..267, 427..469, 596..653, 863..1033, 1114..1122		

Seq. No.	13401	Seq. ID	OJ990821_55.0110.C32
Gene No.	28504	Strand	-
Start	1995	End	2973
Name	OJ990821_55.0110.C32.o1.tc	Method	TBLASTX:Cress
Start	1498	End	2973
GI	none	Score	65
Exons	1498..1590, 1499..1588, 2016..2411, 2038..2205, 2412..2480, 2896..2973		

Seq. No.	13401	Seq. ID	OJ990821_55.0110.C32
Gene No.	28504	Strand	-
Start	1995	End	2973
Name	OJ990821_55.0110.C32.o1.tm	Method	TBLASTX:Maize
Start	1498	End	2488
GI	none	Score	73
Exons	1498..1590, 1499..1588, 2016..2480, 2017..2475, 2327..2488		

Seq. No.	13401	Seq. ID	OJ990821_55.0110.C32
Gene No.	28504	Strand	-
Start	1995	End	2973
Name	OJ990821_55.0110.C32.o2.np	Method	AAT/NAP
Start	1995	End	2480
GI	6319856	Score	251
Exons	1995..2480		
GI Descrip.	Active transport ATPase; Adp1p gi|113449|sp|P25371|ADP1_YEAST PROBABLE ATP-DEPENDENT PERMEASE PRECURSOR gi|83202|pir||S19421 ATP-dependent permease ADP1 precursor - yeast (Saccharomyces cerevisiae) gi|1907154|emb|CAA42328| (X59720) YCR011c, len:1049 [Saccharomyces cerevisiae]		

Seq. No.	13401	Seq. ID	OJ990821_55.0110.C32
Gene No.	28504	Strand	-

Start	1995	End	2973
Name	OJ990821_55.0110.C32.o1.ts	Method	TBLASTX:Soybean
Start	2016	End	2973
GI	none	Score	69
Exons	2016..2132, 2023..2136, 2133..2477, 2134..2475, 2890..2973		

Seq. No.	13402	Seq. ID	OJ990821_55.0110.C33
Gene No.	28505	Strand	-
Start	480	End	4408
Name	OJ990821_55.0110.C33.o1.gs	Method	GENSCAN
Start	480	End	4408
GI	none	Score	.43
Exons	480..523, 3294..3440, 4328..4408		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28506	Strand	+
Start	2238	End	5341
Name	OJ990821_55.0110.C34.o1.gs	Method	GENSCAN
Start	2238	End	5341
GI	none	Score	.49
Exons	2238..2388, 4957..5058, 5183..5341		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28507	Strand	+
Start	6856	End	7419
Name	OJ990821_55.0110.C34.o2.gs	Method	GENSCAN
Start	6856	End	7419
GI	none	Score	.71
Exons	6856..7419		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28508	Strand	+
Start	12721	End	14669
Name	OJ990821_55.0110.C34.o2.np	Method	AAT/NAP
Start	12721	End	14669
GI	4680186	Score	233
Exons	12721..12777, 14465..14669		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o1.tm	Method	TBLASTX:Maize
Start	6802	End	7052
GI	none	Score	225
Exons	6802..6975, 6807..6986, 6807..7052		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o1.np	Method	AAT/NAP
Start	9571	End	15413
GI	4234854	Score	2506
Exons	9571..10350, 10376..11227, 12805..13511, 15376..15413		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34

Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o2.tw	Method	TBLASTX:Wheat
Start	9622	End	10021
GI	none	Score	112
Exons	9622..10017, 9788..10021		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o1.ts	Method	TBLASTX:Soybean
Start	9625	End	10191
GI	none	Score	110
Exons	9625..9816, 9805..9996, 10009..10191		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o2.tm	Method	TBLASTX:Maize
Start	10081	End	10537
GI	none	Score	104
Exons	10081..10377, 10082..10237, 10364..10537		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o1.tw	Method	TBLASTX:Wheat
Start	10177	End	10964
GI	none	Score	58
Exons	10177..10371, 10181..10372, 10376..10651, 10377..10613, 10635..10712, 10637..10720, 10640..10717, 10720..10791, 10723..10791, 10796..10939, 10814..10963, 10815..10964		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o2.ts	Method	TBLASTX:Soybean
Start	10673	End	11092
GI	5509260	Score	45
Exons	10673..10720, 10674..10721, 10751..10786, 10832..11092, 10836..11003, 10988..11092		
GI Descrip.	-		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o4.gs	Method	GENSCAN
Start	10811	End	14309
GI	none	Score	.69
Exons	10811..11378, 12386..12482, 12574..12756, 12786..13187, 13300..13543, 14265..14309		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o3.tm	Method	TBLASTX:Maize
Start	10830	End	11092

GI	none	Score	37
Exons	10830..10904, 10832..11092, 10923..11084		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o3.tw	Method	TBLASTX:Wheat
Start	13138	End	13513
GI	none	Score	92
Exons	13138..13218, 13227..13304, 13305..13496, 13310..13513		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o4.tm	Method	TBLASTX:Maize
Start	13227	End	13501
GI	none	Score	160
Exons	13227..13325, 13310..13501		

Seq. No.	13403	Seq. ID	OJ990821_55.0110.C34
Gene No.	28509	Strand	-
Start	9571	End	15413
Name	OJ990821_55.0110.C34.o1.gp	Method	AAT/GAP
Start	14217	End	14598
GI	uC-osflcyp033a04b1	Score	659
Exons	14217..14598		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28510	Strand	+
Start	4074	End	4507
Name	OJ990821_55.0110.C35.o2.np	Method	AAT/NAP
Start	4074	End	4507
GI	4680185	Score	438
Exons	4074..4507		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28511	Strand	+
Start	5716	End	12476
Name	OJ990821_55.0110.C35.o2.gs	Method	GENSCAN
Start	5716	End	12476
GI	none	Score	.72
Exons	5716..6059, 6148..6305, 6417..6672, 7265..8142, 8596..8650, 8816..8970, 9525..10293, 10557..10809, 10857..12476		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28511	Strand	+
Start	5716	End	12476
Name	OJ990821_55.0110.C35.o4.np	Method	AAT/NAP
Start	6257	End	12455
GI	4544372	Score	1209
Exons	6257..6282, 9341..10779, 10884..12455		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28512	Strand	+
Start	18536	End	20115
Name	OJ990821_55.0110.C35.o5.np	Method	AAT/NAP
Start	18536	End	20115
GI	6063554	Score	231
Exons	18536..18755, 19279..19307, 19942..20115		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28513	Strand	-
Start	1	End	1111
Name	OJ990821_55.0110.C35.o1.np	Method	AAT/NAP
Start	1	End	1111
GI	4234854	Score	625
Exons	1..56, 558..1111		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28514	Strand	-
Start	2777	End	3158
Name	OJ990821_55.0110.C35.o1.gp	Method	AAT/GAP
Start	2777	End	3158
GI	uC-osflcyp033a04b1	Score	579
Exons	2777..3158		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28515	Strand	-
Start	5193	End	5686
Name	OJ990821_55.0110.C35.o3.np	Method	AAT/NAP
Start	5193	End	5686
GI	4680179	Score	645
Exons	5193..5686		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28516	Strand	-
Start	12984	End	16086
Name	OJ990821_55.0110.C35.o3.gs	Method	GENSCAN
Start	12984	End	16086
GI	none	Score	.75
Exons	12984..13508, 13691..13774, 13833..13907, 13968..14402, 14778..15563, 16036..16086		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28517	Strand	-
Start	18242	End	22852
Name	OJ990821_55.0110.C35.o4.gs	Method	GENSCAN
Start	18242	End	22852
GI	none	Score	.7
Exons	18242..19056, 19845..20034, 20465..20542, 21213..21581, 21657..21949, 22606..22702, 22712..22852		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28517	Strand	-
Start	18242	End	22852
Name	OJ990821_55.0110.C35.o6.np	Method	AAT/NAP
Start	21057	End	21926
GI	4234848	Score	350
Exons	21057..21716, 21750..21926		
GI Descrip.	(AF082131) gag-pol polyprotein [Zea mays]		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28518	Strand	-
Start	24192	End	25502
Name	OJ990821_55.0110.C35.o5.gs	Method	GENSCAN
Start	24192	End	25502
GI	none	Score	.83
Exons	24192..24385, 24551..24646, 24810..24941, 25451..25502		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28519	Strand	-
Start	27118	End	27428
Name	OJ990821_55.0110.C35.o6.gs	Method	GENSCAN
Start	27118	End	27428
GI	none	Score	.72
Exons	27118..27299, 27359..27428		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28520	Strand	-
Start	28608	End	29940
Name	OJ990821_55.0110.C35.o7.np	Method	AAT/NAP
Start	28608	End	29940
GI	130997	Score	169
Exons	28608..28806, 28849..29157, 29228..29287, 29430..29519, 29848..29940		
GI Descrip.	REPETITIVE PROLINE-RICH CELL WALL PROTEIN 1 PRECURSOR gi|81809|pir||A29324 proline-rich protein precursor - soybean gi|170049 (J02746) proline-rich protein [Glycine max]		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o3.tw	Method	TBLASTX:Wheat
Start	605	End	862
GI	none	Score	121
Exons	605..859, 620..862		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o1.ts	Method	TBLASTX:Soybean
Start	644	End	1021
GI	none	Score	121
Exons	644..1021, 804..1010		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o2.tm	Method	TBLASTX:Maize

Start	1330	End	21830
GI	none	Score	52
Exons	1330..1392, 21090..21170, 21100..21141, 21224..21346, 21264..21512, 21265..21510, 21412..21549, 21521..21673, 21616..21828, 21651..21830		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o2.tw	Method	TBLASTX:Wheat
Start	5238	End	5627
GI	none	Score	168
Exons	5238..5627, 5302..5625		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o3.tm	Method	TBLASTX:Maize
Start	5334	End	5595
GI	none	Score	173
Exons	5334..5594, 5335..5595		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o6.ts	Method	TBLASTX:Soybean
Start	8709	End	9047
GI	none	Score	203
Exons	8709..9047		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o1.tw	Method	TBLASTX:Wheat
Start	9620	End	10024
GI	none	Score	81
Exons	9620..9676, 9625..9666, 9671..10024, 9682..9981, 9807..10010		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o4.tm	Method	TBLASTX:Maize
Start	9682	End	9892
GI	none	Score	269
Exons	9682..9891, 9683..9892		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o1.tm	Method	TBLASTX:Maize
Start	9893	End	10354
GI	none	Score	533
Exons	9893..10354, 9893..10282, 10045..10353		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708

Name	OJ990821_55.0110.C35.o5.tw	Method	TBLASTX:Wheat
Start	10025	End	10423
GI	none	Score	207
Exons	10025..10360, 10042..10356, 10313..10423		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o3.ts	Method	TBLASTX:Soybean
Start	10040	End	10524
GI	none	Score	203
Exons	10040..10321, 10078..10197, 10313..10435, 10453..10524		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o2.ts	Method	TBLASTX:Soybean
Start	10612	End	11023
GI	none	Score	152
Exons	10612..10749, 10614..10745, 10770..10856, 10771..10854, 10869..11021, 10871..11023		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o6.tm	Method	TBLASTX:Maize
Start	11262	End	11618
GI	none	Score	216
Exons	11262..11618		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o5.ts	Method	TBLASTX:Soybean
Start	11475	End	11873
GI	none	Score	236
Exons	11475..11873, 11579..11692		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o6.tw	Method	TBLASTX:Wheat
Start	11631	End	11996
GI	none	Score	171
Exons	11631..11900, 11955..11996		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o4.tw	Method	TBLASTX:Wheat
Start	12033	End	12440
GI	none	Score	223
Exons	12033..12440, 12041..12406		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708

Name	OJ990821_55.0110.C35.o4.ts	Method	TBLASTX:Soybean
Start	12216	End	12466
GI	none	Score	238
Exons	12216..12461, 12218..12355, 12428..12466		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o5.tm	Method	TBLASTX:Maize
Start	26221	End	26860
GI	none	Score	63
Exons	26221..26292, 26227..26355, 26270..26308, 26271..26306, 26326..26448, 26330..26452, 26333..26452, 26342..26452, 26350..26475, 26353..26472, 26364..26462, 26376..26552, 26379..26486, 26379..26486, 26478..26624, 26478..26609, 26489..26617, 26496..26648, 26496..26651, 26497..26649, 26503..26676, 26506..26661, 26508..26669, 26511..26669, 26511..26660, 26598..26687, 26598..26690, 26652..26744, 26655..26744, 26658..26822, 26682..26816, 26691..26852, 26693..26860, 26694..26804, 26697..26855, 26718..26810, 26724..26816, 26770..26796		

Seq. No.	13404	Seq. ID	OJ990821_55.0110.C35
Gene No.	28521	Strand	-
Start	31257	End	34708
Name	OJ990821_55.0110.C35.o7.gs	Method	GENSCAN
Start	31257	End	34708
GI	none	Score	.42
Exons	31257..31334, 32113..32281, 32442..32513, 32886..32913, 33191..33342, 34536..34708		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	2149
GI	5295971	Score	1845
Exons	1..2149		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o1.gs	Method	GENSCAN
Start	79	End	2107
GI	none	Score	.5
Exons	79..1706, 1803..2107		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	557	End	1087
GI	5509260	Score	423
Exons	557..1087, 697..891, 925..1077		

GI Descrip. -

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o2.tm	Method	TBLASTX:Maize
Start	629	End	949
GI	none	Score	381
Exons	629..949, 688..771, 702..788, 806..931, 838..948		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o2.tc	Method	TBLASTX:Cress
Start	728	End	988
GI	none	Score	217
Exons	728..988		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	770	End	1318
GI	none	Score	280
Exons	770..1114, 925..1089, 1100..1318		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	1184	End	1591
GI	none	Score	428
Exons	1184..1591, 1273..1587, 1286..1591		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o2.tw	Method	TBLASTX:Wheat
Start	1328	End	1714
GI	none	Score	57
Exons	1328..1432, 1442..1714, 1445..1519		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o1.tc	Method	TBLASTX:Cress
Start	1457	End	2119
GI	none	Score	156
Exons	1457..1648, 1649..1750, 1687..1749, 1747..1845, 1748..1786, 1898..2119, 1906..2115		

Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o2.ts	Method	TBLASTX:Soybean
Start	1478	End	2113
GI	none	Score	218

Exons	1478..1786, 1480..1605, 1714..1845, 1892..2113, 1897..2067		
Seq. No.	13405	Seq. ID	OJ990821_58.0128.C1
Gene No.	28522	Strand	+
Start	1	End	2149
Name	OJ990821_58.0128.C1.o3.tm	Method	TBLASTX:Maize
Start	1592	End	2119
GI	none	Score	140
Exons	1592..1846, 1711..1812, 1892..2119, 1957..2067		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28523	Strand	+
Start	3367	End	9004
Name	OJ990821_58.0128.C2.o2.gs	Method	GENSCAN
Start	3367	End	9004
GI	none	Score	.63
Exons	3367..3427, 6644..6978, 7057..7346, 7426..7784, 7862..8049, 8606..9004		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28523	Strand	+
Start	3367	End	9004
Name	OJ990821_58.0128.C2.o1.np	Method	AAT/NAP
Start	6094	End	9001
GI	6691716	Score	2559
Exons	6094..6969, 7151..7346, 7426..7526, 7599..7784, 7862..8049, 8124..8219, 8370..8490, 8553..9001		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28524	Strand	+
Start	21738	End	28710
Name	OJ990821_58.0128.C2.o1.gp	Method	AAT/GAP
Start	21634	End	22015
GI	uC-osflcyp033a04b1	Score	639
Exons	21634..22015		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28524	Strand	+
Start	21738	End	28710
Name	OJ990821_58.0128.C2.o6.gs	Method	GENSCAN
Start	21738	End	28710
GI	none	Score	.52
Exons	21738..21802, 22689..23517, 23779..24122, 24203..24629, 25284..25302, 25843..25902, 27212..27265, 28365..28431, 28695..28710		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28524	Strand	+
Start	21738	End	28710
Name	OJ990821_58.0128.C2.o4.np	Method	AAT/NAP
Start	22702	End	24687
GI	4581164	Score	989

Exons	22702..22857, 23014..24001, 24190..24687		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28525	Strand	-
Start	28	End	2256
Name	OJ990821_58.0128.C2.o1.gs	Method	GENSCAN
Start	28	End	2256
GI	none	Score	.76
Exons	28..199, 1122..1240, 1648..1784, 2013..2256		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28526	Strand	-
Start	9360	End	18942
Name	OJ990821_58.0128.C2.o2.np	Method	AAT/NAP
Start	9360	End	18367
GI	5922631	Score	6397
Exons	9360..9598, 12593..14881, 15480..16347, 16474..16625, 16668..17201, 17235..17448, 17716..17984, 18243..18367		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28526	Strand	-
Start	9360	End	18942
Name	OJ990821_58.0128.C2.o4.gs	Method	GENSCAN
Start	12540	End	18942
GI	none	Score	.73
Exons	12540..12712, 12935..13165, 13244..15062, 15118..15391, 15488..15657, 15677..16729, 16787..17058, 17077..17201, 17229..17328, 17359..17467, 17569..17754, 17783..18415, 18820..18942		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28527	Strand	-
Start	21562	End	23511
Name	OJ990821_58.0128.C2.o3.np	Method	AAT/NAP
Start	21562	End	23511
GI	4680186	Score	243
Exons	21562..21767, 23450..23511		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o5.tw	Method	TBLASTX:Wheat
Start	1075	End	16081
GI	none	Score	143
Exons	1075..1176, 15668..15892, 15672..15893, 15899..16081, 15972..16079		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o11.tw	Method	TBLASTX:Wheat
Start	6214	End	6504
GI	none	Score	203
Exons	6214..6504, 6360..6467		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o9.tw	Method	TBLASTX:Wheat
Start	9354	End	24123
GI	none	Score	84
Exons	9354..9473, 9459..9605, 12666..12944, 12682..12789, 12832..12924, 24037..24123		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o7.tm	Method	TBLASTX:Maize
Start	9375	End	9605
GI	none	Score	105
Exons	9375..9476, 9376..9477, 9456..9605, 9457..9516		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	12858	End	24236
GI	none	Score	47
Exons	12858..13046, 23606..23776, 23607..23642, 23629..24195, 23691..23864, 23761..24189, 24195..24236		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o3.tw	Method	TBLASTX:Wheat
Start	13059	End	13446
GI	none	Score	94
Exons	13059..13244, 13059..13445, 13135..13446		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o3.tm	Method	TBLASTX:Maize
Start	13089	End	13451
GI	none	Score	250
Exons	13089..13136, 13128..13451, 13141..13431		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o6.tw	Method	TBLASTX:Wheat
Start	13611	End	13905
GI	none	Score	70
Exons	13611..13904, 13626..13904, 13765..13905		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o3.ts	Method	TBLASTX:Soybean
Start	13807	End	14195
GI	none	Score	101
Exons	13807..14052, 13809..13931, 13977..14051, 14091..14195, 14101..14187		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o4.tw	Method	TBLASTX:Wheat
Start	13908	End	14320
GI	none	Score	111
Exons	13908..14051, 13909..14052, 13909..14061, 14082..14312, 14087..14320, 14095..14313		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	14370	End	23478
GI	none	Score	497
Exons	14370..14594, 22867..23355, 22884..23249, 22993..23358, 23332..23478		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o1.ts	Method	TBLASTX:Soybean
Start	14421	End	23057
GI	none	Score	118
Exons	14421..14852, 14662..14805, 22723..22998, 22746..22832, 22923..23057		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	14476	End	22998
GI	none	Score	256
Exons	14476..14856, 14481..14900, 22723..22998		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o5.tm	Method	TBLASTX:Maize
Start	14595	End	22860
GI	none	Score	145
Exons	14595..14957, 14605..14853, 14622..14948, 22723..22860		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o10.tw	Method	TBLASTX:Wheat

Start	14901	End	15108
GI	none	Score	76
Exons	14901..15011, 14901..15056, 14902..15030, 15043..15108		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o4.tm	Method	TBLASTX:Maize
Start	14985	End	15333
GI	none	Score	176
Exons	14985..15029, 15026..15292, 15058..15333		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o4.ts	Method	TBLASTX:Soybean
Start	15064	End	15423
GI	none	Score	135
Exons	15064..15192, 15199..15423		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o2.tw	Method	TBLASTX:Wheat
Start	15138	End	15498
GI	none	Score	171
Exons	15138..15482, 15139..15483, 15139..15498, 15140..15484		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o8.tm	Method	TBLASTX:Maize
Start	15668	End	15815
GI	none	Score	113
Exons	15668..15814, 15669..15815		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o8.tw	Method	TBLASTX:Wheat
Start	16661	End	17063
GI	none	Score	129
Exons	16661..17062, 16755..17063		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o7.tw	Method	TBLASTX:Wheat
Start	23374	End	23774
GI	none	Score	271
Exons	23374..23772, 23481..23774		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o2.ts	Method	TBLASTX:Soybean
Start	23626	End	24012

GI	none	Score	276
Exons	23626..24012, 23721..23921, 23752..24012		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o6.tm	Method	TBLASTX:Maize
Start	24246	End	24841
GI	none	Score	42
Exons	24246..24317, 24341..24595, 24384..24569, 24642..24839, 24680..24841		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o12.tw	Method	TBLASTX:Wheat
Start	24344	End	24694
GI	none	Score	61
Exons	24344..24694, 24373..24555, 24384..24560		

Seq. No.	13406	Seq. ID	OJ990821_58.0128.C2
Gene No.	28528	Strand	-
Start	33165	End	33547
Name	OJ990821_58.0128.C2.o7.gs	Method	GENSCAN
Start	33165	End	33547
GI	none	Score	.71
Exons	33165..33291, 33343..33547		

Seq. No.	13407	Seq. ID	OJ990821_58.0128.C3
Gene No.	28529	Strand	+
Start	947	End	4728
Name	OJ990821_58.0128.C3.o2.gs	Method	GENSCAN
Start	947	End	4728
GI	none	Score	.58
Exons	947..1034, 4401..4523, 4529..4728		

Seq. No.	13407	Seq. ID	OJ990821_58.0128.C3
Gene No.	28529	Strand	+
Start	947	End	4728
Name	OJ990821_58.0128.C3.o1.gp	Method	AAT/GAP
Start	1778	End	2355
GI	none	Score	1116
Exons	1778..2355		

Seq. No.	13407	Seq. ID	OJ990821_58.0128.C3
Gene No.	28530	Strand	-
Start	2818	End	3291
Name	OJ990821_58.0128.C3.o2.gp	Method	AAT/GAP
Start	2818	End	3291
GI	none	Score	920
Exons	2818..3291		

Seq. No.	13408	Seq. ID	OJ990821_58.0128.C5
Gene No.	28531	Strand	-
Start	1	End	2156
Name	OJ990821_58.0128.C5.o1.np	Method	AAT/NAP
Start	1	End	2156

GI	4581164	Score	618
Exons	1..45, 1468..2156		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13408	Seq. ID	OJ990821_58.0128.C5
Gene No.	28531	Strand	-
Start	1	End	2156
Name	OJ990821_58.0128.C5.o1.gs	Method	GENSCAN
Start	44	End	2111
GI	none	Score	.72
Exons	44..252, 387..579, 1973..2111		

Seq. No.	13408	Seq. ID	OJ990821_58.0128.C5
Gene No.	28531	Strand	-
Start	1	End	2156
Name	OJ990821_58.0128.C5.o2.tw	Method	TBLASTX:Wheat
Start	1468	End	1663
GI	none	Score	129
Exons	1468..1659, 1469..1663		

Seq. No.	13408	Seq. ID	OJ990821_58.0128.C5
Gene No.	28531	Strand	-
Start	1	End	2156
Name	OJ990821_58.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	1558	End	2035
GI	none	Score	168
Exons	1558..1674, 1662..1991, 1670..2035, 1691..2032		

Seq. No.	13408	Seq. ID	OJ990821_58.0128.C5
Gene No.	28531	Strand	-
Start	1	End	2156
Name	OJ990821_58.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	1667	End	2095
GI	none	Score	195
Exons	1667..2095, 1668..2084		

Seq. No.	13408	Seq. ID	OJ990821_58.0128.C5
Gene No.	28531	Strand	-
Start	1	End	2156
Name	OJ990821_58.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	1742	End	2059
GI	none	Score	199
Exons	1742..2059		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28532	Strand	+
Start	11687	End	14673
Name	OJ990821_58.0128.C6.o4.gs	Method	GENSCAN
Start	11687	End	14628
GI	none	Score	.48
Exons	11687..11854, 13401..13475, 14473..14628		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28532	Strand	+
Start	11687	End	14673
Name	OJ990821_58.0128.C6.o2.np	Method	AAT/NAP

Start	14516	End	14673
GI	5852172	Score	80
Exons	14516..14673		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28533	Strand	-
Start	97	End	411
Name	OJ990821_58.0128.C6.o1.gs	Method	GENSCAN
Start	97	End	411
GI	none	Score	.91
Exons	97..411		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28534	Strand	-
Start	2159	End	3582
Name	OJ990821_58.0128.C6.o2.gs	Method	GENSCAN
Start	2159	End	3582
GI	none	Score	.46
Exons	2159..2832, 2867..3041, 3544..3582		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28535	Strand	-
Start	4499	End	7249
Name	OJ990821_58.0128.C6.o3.gs	Method	GENSCAN
Start	4499	End	7249
GI	none	Score	.99
Exons	4499..7249		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28535	Strand	-
Start	4499	End	7249
Name	OJ990821_58.0128.C6.o1.np	Method	AAT/NAP
Start	4583	End	7165
GI	5669778	Score	2193
Exons	4583..7165		
GI Descrip.	(AF108008) HV1LRR1 [Hordeum vulgare]		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28535	Strand	-
Start	4499	End	7249
Name	OJ990821_58.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	4586	End	5554
GI	none	Score	219
Exons	4586..4927, 5027..5554		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28535	Strand	-
Start	4499	End	7249
Name	OJ990821_58.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	4639	End	4883
GI	none	Score	110
Exons	4639..4743, 4646..4879, 4670..4879, 4680..4883		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28535	Strand	-
Start	4499	End	7249

Name	OJ990821_58.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	4670	End	6664
GI	none	Score	69
Exons	4670..4849, 5726..5899, 5915..6073, 6125..6214, 6305..6484, 6602..6664		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28535	Strand	-
Start	4499	End	7249
Name	OJ990821_58.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	5597	End	6307
GI	none	Score	53
Exons	5597..5905, 5865..6056, 5897..6049, 6071..6301, 6125..6307		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28535	Strand	-
Start	4499	End	7249
Name	OJ990821_58.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	5735	End	6007
GI	none	Score	116
Exons	5735..6007, 5742..6005		

Seq. No.	13409	Seq. ID	OJ990821_58.0128.C6
Gene No.	28535	Strand	-
Start	4499	End	7249
Name	OJ990821_58.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	5924	End	6223
GI	none	Score	48
Exons	5924..6073, 5948..6019, 6050..6223, 6051..6188		

Seq. No.	13410	Seq. ID	OJ990821_58.0128.C7
Gene No.	28536	Strand	+
Start	905	End	2159
Name	OJ990821_58.0128.C7.o1.gs	Method	GENSCAN
Start	905	End	2159
GI	none	Score	.68
Exons	905..1105, 2052..2159		

Seq. No.	13411	Seq. ID	OJ990821_58.0128.C8
Gene No.	28537	Strand	-
Start	9	End	109
Name	OJ990821_58.0128.C8.o1.gs	Method	GENSCAN
Start	9	End	109
GI	none	Score	.94
Exons	9..109		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28538	Strand	+
Start	1472	End	4213
Name	OJ990821_58.0128.C9.o1.np	Method	AAT/NAP
Start	1472	End	4213
GI	4519938	Score	1528
Exons	1472..4213		
GI Descrip.	(AB019240) RPR1h [Oryza sativa]		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28539	Strand	+

Start	7580	End	8408
Name	OJ990821_58.0128.C9.o2.np	Method	AAT/NAP
Start	7580	End	8408
GI	4580990	Score	352
Exons	7580..7658, 7716..8408		
GI Descrip.	(AF120335) putative transposase [Arabidopsis thaliana]		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28540	Strand	-
Start	3975	End	4403
Name	OJ990821_58.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	2297	End	3025
GI	none	Score	127
Exons	2297..2527, 2533..2601, 2534..2662, 2705..2851, 2711..2851, 2864..3025		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28540	Strand	-
Start	3975	End	4403
Name	OJ990821_58.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	2534	End	2833
GI	none	Score	273
Exons	2534..2833, 2536..2673, 2645..2833		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28540	Strand	-
Start	3975	End	4403
Name	OJ990821_58.0128.C9.o3.tm	Method	TBLASTX:Maize
Start	2753	End	3043
GI	none	Score	82
Exons	2753..3043, 2754..2843, 2756..3028		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28540	Strand	-
Start	3975	End	4403
Name	OJ990821_58.0128.C9.o2.tw	Method	TBLASTX:Wheat
Start	3166	End	3448
GI	none	Score	237
Exons	3166..3324, 3167..3448, 3216..3386, 3370..3447		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28540	Strand	-
Start	3975	End	4403
Name	OJ990821_58.0128.C9.o2.ts	Method	TBLASTX:Soybean
Start	3200	End	3424
GI	none	Score	225
Exons	3200..3424		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28540	Strand	-
Start	3975	End	4403
Name	OJ990821_58.0128.C9.o4.tm	Method	TBLASTX:Maize
Start	3407	End	3855
GI	none	Score	295
Exons	3407..3850, 3409..3855		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9

Gene No.	28540	Strand	-
Start	3975	End	4403
Name	OJ990821_58.0128.C9.o1.gp	Method	AAT/GAP
Start	3975	End	4403
GI	none	Score	782
Exons	3975..4403		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28541	Strand	
Start	7456	End	7746
Name	OJ990821_58.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	7456	End	7746
GI	none	Score	251
Exons	7456..7635, 7457..7636, 7667..7744, 7667..7744, 7684..7746		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28542	Strand	
Start	7718	End	8407
Name	OJ990821_58.0128.C9.o3.ts	Method	TBLASTX:Soybean
Start	7718	End	8113
GI	none	Score	90
Exons	7718..7879, 7916..8113		

Seq. No.	13412	Seq. ID	OJ990821_58.0128.C9
Gene No.	28542	Strand	
Start	7718	End	8407
Name	OJ990821_58.0128.C9.o2.tm	Method	TBLASTX:Maize
Start	7748	End	8407
GI	none	Score	98
Exons	7748..7906, 7900..8157, 7916..8113, 8213..8407		

Seq. No.	13413	Seq. ID	OJ990821_58.0128.C10
Gene No.	28543	Strand	+
Start	119	End	201
Name	OJ990821_58.0128.C10.o1.gs	Method	GENSCAN
Start	119	End	201
GI	none	Score	.47
Exons	119..201		

Seq. No.	13414	Seq. ID	OJ990821_49.0128.C1
Gene No.	28544	Strand	-
Start	1	End	365
Name	OJ990821_49.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	355
GI	4938482	Score	179
Exons	1..128, 257..355		
GI Descrip.	(AL078464) putative protein [Arabidopsis thaliana]		

Seq. No.	13414	Seq. ID	OJ990821_49.0128.C1
Gene No.	28544	Strand	-
Start	1	End	365
Name	OJ990821_49.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	23	End	365
GI	none	Score	92
Exons	23..130, 30..128, 230..358, 249..365		

Seq. No.	13414	Seq. ID	OJ990821_49.0128.C1

Gene No.	28544	Strand	-
Start	1	End	365
Name	OJ990821_49.0128.C1.o1.gs	Method	GENSCAN
Start	28	End	355
GI	none	Score	.95
Exons	28..128, 257..355		

Seq. No.	13414	Seq. ID	OJ990821_49.0128.C1
Gene No.	28544	Strand	-
Start	1	End	365
Name	OJ990821_49.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	30	End	346
GI	none	Score	96
Exons	30..128, 30..128, 248..346		

Seq. No.	13415	Seq. ID	OJ990821_49.0128.C2
Gene No.	28545	Strand	-
Start	1	End	1011
Name	OJ990821_49.0128.C2.o1.np	Method	AAT/NAP
Start	1	End	1011
GI	6552504	Score	325
Exons	1..182, 675..787, 890..1011		
GI Descrip.	(AF126550) mannosyl-oligosaccharide 1,2-alpha-mannosidase [Glycine max]		

Seq. No.	13415	Seq. ID	OJ990821_49.0128.C2
Gene No.	28545	Strand	-
Start	1	End	1011
Name	OJ990821_49.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	660	End	1009
GI	none	Score	150
Exons	660..800, 674..778, 903..950, 904..975, 905..1009, 905..1009		

Seq. No.	13415	Seq. ID	OJ990821_49.0128.C2
Gene No.	28545	Strand	-
Start	1	End	1011
Name	OJ990821_49.0128.C2.o1.gs	Method	GENSCAN
Start	675	End	946
GI	none	Score	.76
Exons	675..787, 890..946		

Seq. No.	13415	Seq. ID	OJ990821_49.0128.C2
Gene No.	28545	Strand	-
Start	1	End	1011
Name	OJ990821_49.0128.C2.o1.tc	Method	TBLASTX:Cress
Start	701	End	1003
GI	none	Score	92
Exons	701..778, 702..788, 880..951, 890..988, 890..1003		

Seq. No.	13415	Seq. ID	OJ990821_49.0128.C2
Gene No.	28545	Strand	-
Start	1	End	1011
Name	OJ990821_49.0128.C2.o1.gp	Method	AAT/GAP
Start	750	End	1011
GI	44797_1.R1084	Score	296
Exons	750..787, 890..1011		
GI Descrip.	'1170851/sp|P45700|MA12_MOUSE 7.0e-09 MANNOSYL-OLIGOSACCHARIDE		

ALPHA-1,2-MANNOSIDASE (MAN(9)-ALPHA-MANNOSIDASE) (ALPHA-MANNOSIDASE 1A) >gi_1083410_pir__A54408 mannosyl-oligosaccharide 1,2-alpha-mannosidase (EC 3.2.1.113) - mouse >gi_474280 (U04299) mannosyl-oligosaccharide alpha-1,2-mannosidase [Mus musculus]'

Seq. No.	13416	Seq. ID	OJ990821_49.0128.C4
Gene No.	28546	Strand	+
Start	76	End	2115
Name	OJ990821_49.0128.C4.o1.gs	Method	GENSCAN
Start	76	End	2115
GI	none	Score	.84
Exons	76..83, 781..856, 1505..1562, 1830..1967, 2045..2115		

Seq. No.	13417	Seq. ID	OJ990821_49.0128.C5
Gene No.	28547	Strand	+
Start	3528	End	3997
Name	OJ990821_49.0128.C5.o1.gp	Method	AAT/GAP
Start	3528	End	3997
GI	none	Score	916
Exons	3528..3997		

Seq. No.	13417	Seq. ID	OJ990821_49.0128.C5
Gene No.	28548	Strand	+
Start	13635	End	15947
Name	OJ990821_49.0128.C5.o2.gs	Method	GENSCAN
Start	13635	End	15947
GI	none	Score	.6
Exons	13635..13646, 13786..13912, 13983..14026, 15862..15947		

Seq. No.	13417	Seq. ID	OJ990821_49.0128.C5
Gene No.	28549	Strand	-
Start	4650	End	5162
Name	OJ990821_49.0128.C5.o2.gp	Method	AAT/GAP
Start	4650	End	5162
GI	LIB3432-059-P1-K1-D8	Score	725
Exons	4650..4675, 4734..5162		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	13417	Seq. ID	OJ990821_49.0128.C5
Gene No.	28550	Strand	-
Start	11083	End	13238
Name	OJ990821_49.0128.C5.o1.np	Method	AAT/NAP
Start	11083	End	13238
GI	3695407	Score	874
Exons	11083..11304, 11506..11638, 12133..12799, 12887..13238		
GI Descrip.	(AF096373) similar to potassium transport proteins [Arabidopsis thaliana]		

Seq. No.	13418	Seq. ID	OJ990821_49.0128.C6
Gene No.	28551	Strand	-
Start	282	End	1180
Name	OJ990821_49.0128.C6.o1.gs	Method	GENSCAN
Start	282	End	1117
GI	none	Score	.85
Exons	282..715, 1034..1117		

Seq. No.	13418	Seq. ID	OJ990821_49.0128.C6
Gene No.	28551	Strand	-
Start	282	End	1180
Name	OJ990821_49.0128.C6.o1.np	Method	AAT/NAP
Start	930	End	1180
GI	3695407	Score	146
Exons	930..1180		
GI Descrip.	(AF096373) similar to potassium transport proteins [Arabidopsis thaliana]		

Seq. No.	13419	Seq. ID	OJ990821_49.0128.C7
Gene No.	28552	Strand	+
Start	1	End	415
Name	OJ990821_49.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	415
GI	1076770	Score	174
Exons	1..36, 223..415		
GI Descrip.	high-affinity potassium uptake transporter - wheat gi|567062 (U16709) HKT1 [Triticum aestivum] gi|746339|prf||2017355A K uptake transporter [Triticum aestivum]		

Seq. No.	13420	Seq. ID	OJ990821_49.0128.C8
Gene No.	28553	Strand	+
Start	1	End	558
Name	OJ990821_49.0128.C8.o1.np	Method	AAT/NAP
Start	1	End	538
GI	3695407	Score	354
Exons	1..538		
GI Descrip.	(AF096373) similar to potassium transport proteins [Arabidopsis thaliana]		

Seq. No.	13420	Seq. ID	OJ990821_49.0128.C8
Gene No.	28553	Strand	+
Start	1	End	558
Name	OJ990821_49.0128.C8.o1.gs	Method	GENSCAN
Start	85	End	558
GI	none	Score	.79
Exons	85..142, 206..268, 482..558		

Seq. No.	13421	Seq. ID	OJ990821_49.0128.C9
Gene No.	28554	Strand	-
Start	16	End	148
Name	OJ990821_49.0128.C9.o1.gs	Method	GENSCAN
Start	16	End	148
GI	none	Score	.89
Exons	16..148		

Seq. No.	13422	Seq. ID	OJ990821_49.0128.C10
Gene No.	28555	Strand	+
Start	262	End	389
Name	OJ990821_49.0128.C10.o1.gs	Method	GENSCAN
Start	262	End	389
GI	none	Score	.98
Exons	262..389		

Seq. No.	13423	Seq. ID	OJ990821_49.0128.C11

Gene No.	28556	Strand	-
Start	1074	End	1496
Name	OJ990821_49.0128.C11.o1.gs	Method	GENSCAN
Start	1074	End	1496
GI	none	Score	.7
Exons	1074..1496		

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28557	Strand	+
Start	906	End	1281
Name	OJ990821_49.0128.C12.o1.gs	Method	GENSCAN
Start	906	End	1281
GI	none	Score	.43
Exons	906..991, 1077..1281		

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28558	Strand	+
Start	2303	End	2784
Name	OJ990821_49.0128.C12.o1.gp	Method	AAT/GAP
Start	2303	End	2784
GI	none	Score	932
Exons	2303..2784		

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28559	Strand	-
Start	2346	End	6567
Name	OJ990821_49.0128.C12.o2.gs	Method	GENSCAN
Start	2346	End	6256
GI	none	Score	.84
Exons	2346..2423, 2748..2945, 3050..3220, 3306..3386, 3598..3704, 5465..5609, 6085..6256		

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28559	Strand	-
Start	2346	End	6567
Name	OJ990821_49.0128.C12.o1.tm	Method	TBLASTX:Maize
Start	2363	End	6472
GI	none	Score	44
Exons	2363..2455, 2394..2426, 2434..2496, 2454..2501, 2536..2568, 2609..2686, 2611..2661, 2701..2748, 2709..2747, 2782..2946, 2784..2945, 3044..3220, 3048..3221, 3304..3387, 3306..3386, 3592..3633, 3643..3702, 3643..3702, 3644..3715, 3781..3915, 3782..3916, 3799..3915, 4033..4101, 4034..4105, 4034..4102, 4298..4339, 4301..4438, 4314..4439, 4318..4440, 5518..5607, 5519..5608, 5519..5608, 5520..5609, 5521..5610, 6048..6236, 6075..6254, 6085..6255, 6085..6258, 6089..6274, 6354..6470, 6405..6470, 6407..6472		

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28559	Strand	-
Start	2346	End	6567
Name	OJ990821_49.0128.C12.o1.np	Method	AAT/NAP
Start	2712	End	6567
GI	6552504	Score	1375
Exons	2712..2945, 3050..3220, 3306..3386, 3598..3699, 3805..3913, 4034..4099, 4314..4438, 5520..5609, 6085..6256, 6406..6567		
GI Descrip.	(AF126550) mannosyl-oligosaccharide 1,2-alpha-mannosidase		

[Glycine max]

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28559	Strand	-
Start	2346	End	6567
Name	OJ990821_49.0128.C12.o1.tc	Method	TBLASTX:Cress
Start	2778	End	3387
GI	none	Score	65
Exons	2778..2837, 2788..2838, 2830..2946, 2838..2945, 3044..3220, 3045..3221, 3045..3221, 3050..3223, 3298..3387, 3306..3386		

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28559	Strand	-
Start	2346	End	6567
Name	OJ990821_49.0128.C12.o1.ts	Method	TBLASTX:Soybean
Start	2802	End	3849
GI	none	Score	167
Exons	2802..2945, 2803..2946, 3044..3220, 3045..3221, 3049..3222, 3050..3223, 3298..3387, 3306..3386, 3592..3702, 3799..3849		

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28559	Strand	-
Start	2346	End	6567
Name	OJ990821_49.0128.C12.o2.ts	Method	TBLASTX:Soybean
Start	4069	End	6470
GI	none	Score	91
Exons	4069..4101, 4301..4435, 4314..4436, 5517..5609, 5518..5610, 5519..5611, 6031..6258, 6089..6274, 6402..6470		

Seq. No.	13424	Seq. ID	OJ990821_49.0128.C12
Gene No.	28559	Strand	-
Start	2346	End	6567
Name	OJ990821_49.0128.C12.o2.tc	Method	TBLASTX:Cress
Start	5506	End	6253
GI	none	Score	138
Exons	5506..5601, 5508..5609, 5518..5610, 6091..6252, 6092..6253		

Seq. No.	13425	Seq. ID	OJ990821_49.0128.C13
Gene No.	28560	Strand	+
Start	1430	End	2016
Name	OJ990821_49.0128.C13.o1.gs	Method	GENSCAN
Start	1430	End	2016
GI	none	Score	.6
Exons	1430..2016		

Seq. No.	13425	Seq. ID	OJ990821_49.0128.C13
Gene No.	28561	Strand	-
Start	1	End	1951
Name	OJ990821_49.0128.C13.o1.np	Method	AAT/NAP
Start	1	End	1836
GI	6552504	Score	183
Exons	1..36, 1655..1836		
GI Descrip.	(AF126550) mannosyl-oligosaccharide 1,2-alpha-mannosidase [Glycine max]		

Seq. No.	13425	Seq. ID	OJ990821_49.0128.C13
Gene No.	28561	Strand	-

Start	1	End	1951
Name	OJ990821_49.0128.C13.o1.gp	Method	AAT/GAP
Start	1672	End	1951
GI	44797_1.R1084	Score	539
Exons	1672..1951		
GI Descrip.	'1170851/sp|P45700|MA12_MOUSE 7.0e-09 MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE (MAN(9)-ALPHA-MANNOSIDASE) (ALPHA-MANNOSIDASE 1A) >gi_1083410_pir__A54408 mannosyl-oligosaccharide 1,2-alpha-mannosidase (EC 3.2.1.113) - mouse >gi_474280 (U04299) mannosyl-oligosaccharide alpha-1,2-mannosidase [Mus musculus]'		

Seq. No.	13425	Seq. ID	OJ990821_49.0128.C13
Gene No.	28562	Strand	-
Start	4104	End	4446
Name	OJ990821_49.0128.C13.o2.gp	Method	AAT/GAP
Start	4104	End	4446
GI	427749	Score	658
Exons	4104..4446		

Seq. No.	13425	Seq. ID	OJ990821_49.0128.C13
Gene No.	28563	Strand	-
Start	5265	End	6144
Name	OJ990821_49.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	4841	End	5317
GI	none	Score	127
Exons	4841..4930, 4842..4931, 4843..4944, 5033..5155, 5035..5166, 5037..5162, 5164..5199, 5165..5200, 5249..5317, 5269..5313		

Seq. No.	13425	Seq. ID	OJ990821_49.0128.C13
Gene No.	28563	Strand	-
Start	5265	End	6144
Name	OJ990821_49.0128.C13.o3.gp	Method	AAT/GAP
Start	5265	End	6144
GI	2427267	Score	575
Exons	5265..5400, 5860..5965, 6045..6144		

Seq. No.	13426	Seq. ID	OJ990821_49.0128.C14
Gene No.	28564	Strand	-
Start	102	End	766
Name	OJ990821_49.0128.C14.o1.gs	Method	GENSCAN
Start	102	End	766
GI	none	Score	.87
Exons	102..150, 238..330, 447..530, 708..766		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28565	Strand	+
Start	560	End	6054
Name	OJ990821_49.0128.C15.o1.gs	Method	GENSCAN
Start	560	End	6054
GI	none	Score	.76
Exons	560..571, 2273..2296, 3558..3620, 4325..4365, 5381..5580, 5627..6054		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28566	Strand	+
Start	7370	End	11397

Name	OJ990821_49.0128.C15.o3.gs	Method	GENSCAN
Start	7370	End	11397
GI	none	Score	.77
Exons	7370..7526, 7785..7912, 8449..8517, 8803..8871, 8950..9006, 9320..9382, 9757..9921, 10029..10184, 10265..10345, 10584..10645, 11292..11397		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28567	Strand	-
Start	5512	End	7258
Name	OJ990821_49.0128.C15.o1.np	Method	AAT/NAP
Start	5512	End	7258
GI	2605617	Score	245
Exons	5512..5758, 5858..6064, 6092..6246, 7142..7258		
GI Descrip.	(D88617) OSMYB1 [Oryza sativa]		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28567	Strand	-
Start	5512	End	7258
Name	OJ990821_49.0128.C15.o1.gp	Method	AAT/GAP
Start	5602	End	5941
GI	LIB3433-047-P1-K1-H2	Score	613
Exons	5602..5941		
GI Descrip.	'4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]'		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28567	Strand	-
Start	5512	End	7258
Name	OJ990821_49.0128.C15.o2.gs	Method	GENSCAN
Start	6091	End	6428
GI	none	Score	.97
Exons	6091..6231, 6363..6428		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28568	Strand	-
Start	11995	End	12498
Name	OJ990821_49.0128.C15.o1.ts	Method	TBLASTX:Soybean
Start	5926	End	6244
GI	none	Score	54
Exons	5926..6009, 5938..6009, 6092..6244, 6094..6243		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28568	Strand	-
Start	11995	End	12498
Name	OJ990821_49.0128.C15.o1.tc	Method	TBLASTX:Cress
Start	5941	End	6244
GI	none	Score	113
Exons	5941..6009, 6092..6244, 6094..6243		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28568	Strand	-
Start	11995	End	12498
Name	OJ990821_49.0128.C15.o1.tm	Method	TBLASTX:Maize
Start	5941	End	6244
GI	none	Score	42
Exons	5941..6009, 5962..6009, 6092..6244, 6094..6243		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28568	Strand	-
Start	11995	End	12498
Name	OJ990821_49.0128.C15.o1.tw	Method	TBLASTX:Wheat
Start	5953	End	6244
GI	none	Score	77
Exons	5953..6009, 5954..6007, 6092..6244, 6094..6243		

Seq. No.	13427	Seq. ID	OJ990821_49.0128.C15
Gene No.	28568	Strand	-
Start	11995	End	12498
Name	OJ990821_49.0128.C15.o4.gs	Method	GENSCAN
Start	11995	End	12498
GI	none	Score	.63
Exons	11995..12498		

Seq. No.	13428	Seq. ID	OJ990821_49.0128.C16
Gene No.	28569	Strand	+
Start	250	End	943
Name	OJ990821_49.0128.C16.o1.gs	Method	GENSCAN
Start	250	End	943
GI	none	Score	.74
Exons	250..330, 854..943		

Seq. No.	13428	Seq. ID	OJ990821_49.0128.C16
Gene No.	28569	Strand	+
Start	250	End	943
Name	OJ990821_49.0128.C16.o1.np	Method	AAT/NAP
Start	250	End	920
GI	4938482	Score	103
Exons	250..330, 854..920		
GI Descrip.	(AL078464) putative protein [Arabidopsis thaliana]		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28570	Strand	+
Start	1	End	3733
Name	OJ990821_49.0128.C17.o1.np	Method	AAT/NAP
Start	1	End	1139
GI	4539305	Score	240
Exons	1..50, 148..270, 360..418, 1025..1139		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28570	Strand	+
Start	1	End	3733
Name	OJ990821_49.0128.C17.o1.gs	Method	GENSCAN
Start	148	End	3733
GI	none	Score	.87
Exons	148..270, 360..398, 2375..2557, 2946..3069, 3255..3431, 3546..3733		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28570	Strand	+
Start	1	End	3733
Name	OJ990821_49.0128.C17.o1.gp	Method	AAT/GAP
Start	212	End	1375

GI	2428850	Score	797
Exons	212..270, 360..398, 1008..1375		
GI Descrip.	4539305/emb|CAB39608.1| 2.0e-15 (AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28570	Strand	+
Start	1	End	3733
Name	OJ990821_49.0128.C17.o2.gp	Method	AAT/GAP
Start	2339	End	3691
GI	none	Score	1125
Exons	2339..2557, 2946..3069, 3255..3431, 3546..3691		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28571	Strand	+
Start	4293	End	6226
Name	OJ990821_49.0128.C17.o4.gp	Method	AAT/GAP
Start	4293	End	5637
GI	700752	Score	738
Exons	4293..4430, 4612..4643, 5057..5199, 5432..5498, 5601..5637		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28571	Strand	+
Start	4293	End	6226
Name	OJ990821_49.0128.C17.o3.gs	Method	GENSCAN
Start	5063	End	6226
GI	none	Score	.87
Exons	5063..5199, 5432..5498, 5601..5678, 5796..5941, 6187..6226		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28572	Strand	+
Start	10391	End	25842
Name	OJ990821_49.0128.C17.o5.gs	Method	GENSCAN
Start	10391	End	25715
GI	none	Score	.45
Exons	10391..10835, 13581..13633, 17863..17988, 18331..18767, 19644..19704, 20608..20707, 21237..21280, 21512..21721, 21778..23016, 23223..25715		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28572	Strand	+
Start	10391	End	25842
Name	OJ990821_49.0128.C17.o3.np	Method	AAT/NAP
Start	21745	End	25842
GI	6498441	Score	4099
Exons	21745..22231, 22562..23025, 23089..23461, 23645..23779, 23954..24192, 24385..24869, 25041..25668, 25815..25842		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28573	Strand	-
Start	3752	End	3948
Name	OJ990821_49.0128.C17.o3.gp	Method	AAT/GAP
Start	3752	End	3948
GI	none	Score	390

Exons	3752..3948		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28574	Strand	-
Start	4138	End	4467
Name	OJ990821_49.0128.C17.o2.gs	Method	GENSCAN
Start	4138	End	4467
GI	none	Score	.98
Exons	4138..4467		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28575	Strand	-
Start	6901	End	10710
Name	OJ990821_49.0128.C17.o5.gp	Method	AAT/GAP
Start	6901	End	8231
GI	none	Score	1337
Exons	6901..7465, 7934..8077, 8177..8231		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28575	Strand	-
Start	6901	End	10710
Name	OJ990821_49.0128.C17.o4.gs	Method	GENSCAN
Start	7263	End	9900
GI	none	Score	.74
Exons	7263..7465, 7935..8077, 9325..9428, 9802..9900		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28575	Strand	-
Start	6901	End	10710
Name	OJ990821_49.0128.C17.o2.np	Method	AAT/NAP
Start	7266	End	10710
GI	4914420	Score	334
Exons	7266..7465, 7968..8077, 8177..8421, 9212..9373, 10585..10710		
GI Descrip.	(AL050352) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28575	Strand	-
Start	6901	End	10710
Name	OJ990821_49.0128.C17.o6.gp	Method	AAT/GAP
Start	8251	End	9925
GI	none	Score	750
Exons	8251..8392, 9210..9385, 9802..9925		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28576	Strand	-
Start	12651	End	13092
Name	OJ990821_49.0128.C17.o5.tm	Method	TBLASTX:Maize
Start	145	End	1163
GI	none	Score	209
Exons	145..267, 147..269, 148..270, 1002..1163, 1007..1162		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28576	Strand	-
Start	12651	End	13092
Name	OJ990821_49.0128.C17.o3.ts	Method	TBLASTX:Soybean
Start	147	End	1136
GI	none	Score	189

Exons	147..266, 148..267, 156..269, 1008..1136, 1013..1087		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28576	Strand	-
Start	12651	End	13092
Name	OJ990821_49.0128.C17.o4.tm	Method	TBLASTX:Maize
Start	2398	End	3433
GI	none	Score	39
Exons	2398..2490, 2469..2561, 2486..2509, 2501..2560, 2943..3083, 2943..3083, 2945..3085, 3252..3404, 3252..3404, 3253..3432, 3254..3433, 3257..3430		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28576	Strand	-
Start	12651	End	13092
Name	OJ990821_49.0128.C17.o1.tc	Method	TBLASTX:Cress
Start	2943	End	3589
GI	none	Score	122
Exons	2943..3083, 3254..3409, 3533..3589		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28576	Strand	-
Start	12651	End	13092
Name	OJ990821_49.0128.C17.o3.tm	Method	TBLASTX:Maize
Start	7227	End	9379
GI	none	Score	197
Exons	7227..7367, 7240..7449, 7247..7450, 7263..7451, 7939..7971, 7940..7963, 7947..8024, 7947..8075, 8033..8083, 8039..8077, 8171..8356, 8174..8305, 8176..8400, 8178..8390, 8179..8391, 9209..9244, 9210..9245, 9252..9365, 9254..9379, 9259..9366		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28576	Strand	-
Start	12651	End	13092
Name	OJ990821_49.0128.C17.o6.tm	Method	TBLASTX:Maize
Start	10496	End	10746
GI	none	Score	198
Exons	10496..10702, 10580..10684, 10606..10746		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28576	Strand	-
Start	12651	End	13092
Name	OJ990821_49.0128.C17.o7.gp	Method	AAT/GAP
Start	12651	End	13092
GI	none	Score	852
Exons	12651..13092		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28577	Strand	
Start	22446	End	22932
Name	OJ990821_49.0128.C17.o3.tw	Method	TBLASTX:Wheat
Start	22446	End	22932
GI	none	Score	417
Exons	22446..22619, 22447..22932, 22447..22629, 22641..22901		
Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28578	Strand	

Start	23096	End	23582
Name	OJ990821_49.0128.C17.o1.tw	Method	TBLASTX:Wheat
Start	23096	End	23558
GI	none	Score	44
Exons	23096..23176, 23097..23177, 23098..23178, 23154..23552, 23155..23538, 23180..23557, 23181..23558		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28578	Strand	
Start	23096	End	23582
Name	OJ990821_49.0128.C17.o1.tm	Method	TBLASTX:Maize
Start	23226	End	23582
GI	none	Score	392
Exons	23226..23582, 23261..23572, 23466..23582		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28579	Strand	
Start	23609	End	24116
Name	OJ990821_49.0128.C17.o2.tm	Method	TBLASTX:Maize
Start	23609	End	23993
GI	none	Score	351
Exons	23609..23974, 23610..23993		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28579	Strand	
Start	23609	End	24116
Name	OJ990821_49.0128.C17.o2.tw	Method	TBLASTX:Wheat
Start	23666	End	24091
GI	none	Score	478
Exons	23666..24091, 23667..24086		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28579	Strand	
Start	23609	End	24116
Name	OJ990821_49.0128.C17.o1.ts	Method	TBLASTX:Soybean
Start	23745	End	24116
GI	none	Score	278
Exons	23745..24116, 23762..23905		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28580	Strand	
Start	24717	End	25490
Name	OJ990821_49.0128.C17.o4.tw	Method	TBLASTX:Wheat
Start	24717	End	25175
GI	none	Score	234
Exons	24717..24965, 24741..24965, 24806..24979, 25026..25175, 25037..25174		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28580	Strand	
Start	24717	End	25490
Name	OJ990821_49.0128.C17.o2.ts	Method	TBLASTX:Soybean
Start	24864	End	25430
GI	5666795	Score	68
Exons	24864..24962, 25038..25175, 25230..25430		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	13429	Seq. ID	OJ990821_49.0128.C17
Gene No.	28580	Strand	
Start	24717	End	25490
Name	OJ990821_49.0128.C17.o5.tw	Method	TBLASTX:Wheat
Start	25178	End	25490
GI	none	Score	193
Exons	25178..25354, 25191..25379, 25230..25490		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28581	Strand	+
Start	585	End	794
Name	OJ990821_49.0128.C18.o1.gp	Method	AAT/GAP
Start	585	End	794
GI	1631463	Score	311
Exons	585..794		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28582	Strand	+
Start	1422	End	2244
Name	OJ990821_49.0128.C18.o1.np	Method	AAT/NAP
Start	1422	End	2244
GI	5042448	Score	1150
Exons	1422..2244		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28583	Strand	+
Start	2499	End	6803
Name	OJ990821_49.0128.C18.o2.np	Method	AAT/NAP
Start	2499	End	6803
GI	4680179	Score	7202
Exons	2499..6803		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28584	Strand	+
Start	8048	End	11149
Name	OJ990821_49.0128.C18.o4.np	Method	AAT/NAP
Start	8048	End	11149
GI	6498441	Score	1790
Exons	8048..8193, 9912..10774, 10868..11149		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28584	Strand	+
Start	8048	End	11149
Name	OJ990821_49.0128.C18.o2.gp	Method	AAT/GAP
Start	9704	End	9913
GI	1631463	Score	315
Exons	9704..9913		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp.		

indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28585	Strand	+
Start	16111	End	18057
Name	OJ990821_49.0128.C18.o7.np	Method	AAT/NAP
Start	16111	End	18057
GI	5042454	Score	191
Exons	16111..16250, 16580..16673, 18003..18057		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28585	Strand	+
Start	16111	End	18057
Name	OJ990821_49.0128.C18.o4.gs	Method	GENSCAN
Start	16169	End	16650
GI	none	Score	.76
Exons	16169..16246, 16477..16650		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o6.tw	Method	TBLASTX:Wheat
Start	2766	End	3125
GI	none	Score	308
Exons	2766..3125, 2792..2866, 2891..3124		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o6.tm	Method	TBLASTX:Maize
Start	3006	End	3302
GI	none	Score	210
Exons	3006..3302, 3006..3290		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o8.tm	Method	TBLASTX:Maize
Start	3642	End	3962
GI	none	Score	184
Exons	3642..3962, 3695..3787		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o7.tw	Method	TBLASTX:Wheat
Start	3645	End	4067
GI	none	Score	152
Exons	3645..3854, 3695..3793, 3854..4060, 3876..4067, 3905..4063		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o3.tw	Method	TBLASTX:Wheat
Start	4224	End	4706

GI	none	Score	550
Exons	4224..4706, 4328..4663, 4353..4697		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o3.ts	Method	TBLASTX:Soybean
Start	4260	End	4574
GI	none	Score	183
Exons	4260..4574		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o3.tm	Method	TBLASTX:Maize
Start	4293	End	4760
GI	none	Score	386
Exons	4293..4760, 4364..4663, 4614..4727		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o2.ts	Method	TBLASTX:Soybean
Start	4647	End	4868
GI	none	Score	57
Exons	4647..4679, 4647..4691, 4683..4868, 4683..4763, 4807..4827		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o4.tw	Method	TBLASTX:Wheat
Start	4861	End	5225
GI	none	Score	174
Exons	4861..5142, 4872..5225, 4877..5143, 4878..5225		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o2.tm	Method	TBLASTX:Maize
Start	4872	End	5237
GI	none	Score	488
Exons	4872..5225, 4874..5140, 4926..5237		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o2.tw	Method	TBLASTX:Wheat
Start	5265	End	10288
GI	none	Score	612
Exons	5265..5792, 5346..5759, 5384..5791, 10172..10288		

Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o1.tc	Method	TBLASTX:Cress
Start	5499	End	5816
GI	none	Score	89

Exons	5499..5672, 5673..5816, 5675..5815		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o1.ts	Method	TBLASTX:Soybean
Start	5580	End	5840
GI	none	Score	299
Exons	5580..5840, 5583..5744, 5585..5839		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o4.tm	Method	TBLASTX:Maize
Start	5639	End	5930
GI	none	Score	385
Exons	5639..5926, 5640..5930		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o1.tw	Method	TBLASTX:Wheat
Start	5799	End	10783
GI	none	Score	731
Exons	5799..6425, 5801..6424, 10454..10612, 10667..10783		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o1.tm	Method	TBLASTX:Maize
Start	5979	End	6578
GI	none	Score	226
Exons	5979..6140, 5987..6133, 6138..6578, 6140..6565		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o5.tw	Method	TBLASTX:Wheat
Start	6425	End	6793
GI	none	Score	374
Exons	6425..6478, 6426..6758, 6453..6533, 6518..6634, 6597..6737, 6740..6793		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o7.tm	Method	TBLASTX:Maize
Start	6582	End	6779
GI	none	Score	197
Exons	6582..6779		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o3.np	Method	AAT/NAP
Start	9006	End	18057
GI	4680183	Score	185

Exons	9006..9095, 9701..9771, 17887..18057		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o5.tm	Method	TBLASTX:Maize
Start	10019	End	10342
GI	none	Score	362
Exons	10019..10342, 10036..10329		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o8.tw	Method	TBLASTX:Wheat
Start	10022	End	10411
GI	none	Score	135
Exons	10022..10171, 10045..10170, 10289..10411, 10294..10335, 10357..10410		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o2.gs	Method	GENSCAN
Start	11787	End	14998
GI	none	Score	.99
Exons	11787..13638, 13737..14998		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o5.np	Method	AAT/NAP
Start	11790	End	14998
GI	6907089	Score	4201
Exons	11790..13638, 13737..14998		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o3.gs	Method	GENSCAN
Start	15544	End	15987
GI	none	Score	.73
Exons	15544..15676, 15839..15914, 15933..15987		
Seq. No.	13430	Seq. ID	OJ990821_49.0128.C18
Gene No.	28586	Strand	-
Start	9006	End	18057
Name	OJ990821_49.0128.C18.o6.np	Method	AAT/NAP
Start	15839	End	16683
GI	5922623	Score	271
Exons	15839..15914, 16082..16229, 16603..16683		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19

Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o1.gp	Method	AAT/GAP
Start	28	End	1548
GI	uC-osflcyp064b02b1	Score	990
Exons	28..280, 1259..1548		
GI Descrip.	'3834307 9.0e-11 (AC005679) Strong similarity to gene T10I14.120 gi_2832679 putative protein from Arabidopsis thaliana BAC gb_AL021712. ESTs gb_N65887 and gb_N65627 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o1.gs	Method	GENSCAN
Start	45	End	10184
GI	none	Score	.42
Exons	45..151, 312..434, 1408..2284, 2505..2660, 2838..3049, 3165..3278, 5978..6093, 6625..6823, 6962..7367, 7807..7898, 7950..8077, 8152..8288, 8605..8696, 8836..8907, 10059..10184		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o1.tw	Method	TBLASTX:Wheat
Start	1259	End	1815
GI	none	Score	37
Exons	1259..1288, 1367..1768, 1385..1771, 1392..1769, 1771..1815, 1772..1813		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o1.tm	Method	TBLASTX:Maize
Start	1261	End	2244
GI	none	Score	86
Exons	1261..1380, 1263..1388, 1271..1375, 1392..1826, 1397..1975, 1398..1976, 1738..1974, 1745..1978, 1979..2044, 1979..2221, 1986..2126, 2029..2244, 2146..2244		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o1.tc	Method	TBLASTX:Cress
Start	1376	End	1576
GI	none	Score	252
Exons	1376..1576, 1390..1503, 1397..1555		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o2.ts	Method	TBLASTX:Soybean
Start	1396	End	2053
GI	none	Score	257
Exons	1396..1503, 1397..1558, 1494..1559, 1567..1632, 1568..1639, 1622..1651, 1729..1806, 1745..1807, 1816..1878, 1822..1878, 1867..1956, 1868..1960, 1967..2053		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o1.np	Method	AAT/NAP
Start	1397	End	3354
GI	3834307	Score	1489
Exons	1397..2284, 2505..2660, 2838..3049, 3165..3354		
GI Descrip.	(AC005679) Strong similarity to gene T10I14.120 gi|2832679 putative protein from Arabidopsis thaliana BAC gb|AL021712. ESTs gb|N65887 and gb|N65627 come from this gene. [Arabidopsis thaliana]		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o1.ts	Method	TBLASTX:Soybean
Start	2060	End	3363
GI	none	Score	92
Exons	2060..2221, 2071..2286, 2155..2286, 2180..2287, 2486..2644, 2498..2647, 2499..2660, 2832..3053, 2835..3053, 3165..3353, 3166..3363		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o3.tc	Method	TBLASTX:Cress
Start	2135	End	3023
GI	none	Score	63
Exons	2135..2206, 2146..2199, 2152..2286, 2180..2287, 2504..2659, 2505..2660, 2811..2897, 2823..2897, 2828..2905, 2894..3022, 2907..3023		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o2.tm	Method	TBLASTX:Maize
Start	2246	End	3483
GI	none	Score	67
Exons	2246..2287, 2503..2658, 2504..2659, 2505..2660, 2505..2669, 2823..3053, 2836..3054, 2840..3052, 2841..3053, 3165..3356, 3166..3357, 3394..3483		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o2.tc	Method	TBLASTX:Cress
Start	3165	End	3357
GI	none	Score	233
Exons	3165..3353, 3166..3357		

Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o2.np	Method	AAT/NAP
Start	5951	End	10204
GI	3650376	Score	147

Exons	5951..6060, 7150..7367, 7807..7898, 7951..8077, 8152..8288, 8400..8480, 8605..8696, 9516..9613, 10055..10204		
GI Descrip.	(AL031740) dna ligase [Schizosaccharomyces pombe]		
Seq. No.	13431	Seq. ID	OJ990821_49.0128.C19
Gene No.	28587	Strand	+
Start	28	End	10204
Name	OJ990821_49.0128.C19.o3.np	Method	AAT/NAP
Start	7179	End	10204
GI	4504997	Score	247
Exons	7179..7378, 7821..7898, 7983..8077, 8152..8349, 8594..8791, 10060..10204		
GI Descrip.	DNA ligase IV gi|1706482|sp|P49917|DNL4_HUMAN DNA LIGASE IV (POLYDEOXYRIBONUCLEOTIDE SYNTHASE [ATP]) gi|860937|emb|CAA58467| (X83441) DNA ligase IV [Homo sapiens]		
Seq. No.	13432	Seq. ID	OJ990311_07.0114.C1
Gene No.	28588	Strand	+
Start	1	End	358
Name	OJ990311_07.0114.C1.o1.np	Method	AAT/NAP
Start	1	End	358
GI	5295955	Score	320
Exons	1..358		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	13432	Seq. ID	OJ990311_07.0114.C1
Gene No.	28589	Strand	+
Start	3468	End	4036
Name	OJ990311_07.0114.C1.o1.gp	Method	AAT/GAP
Start	3468	End	4036
GI	4879016	Score	840
Exons	3468..4036		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	13432	Seq. ID	OJ990311_07.0114.C1
Gene No.	28590	Strand	-
Start	520	End	4448
Name	OJ990311_07.0114.C1.o2.gs	Method	GENSCAN
Start	520	End	4448
GI	none	Score	.41
Exons	520..681, 1955..2045, 3668..3756, 4230..4448		
Seq. No.	13433	Seq. ID	OJ990311_07.0114.C2
Gene No.	28591	Strand	+
Start	1	End	3280
Name	OJ990311_07.0114.C2.o1.np	Method	AAT/NAP
Start	1	End	3280
GI	6721512	Score	62
Exons	1..107, 1541..1670, 1699..1840, 1978..2071, 3218..3280		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	13434	Seq. ID	OJ990311_07.0114.C3
Gene No.	28592	Strand	-
Start	133	End	261

Name	OJ990311_07.0114.C3.o1.gs	Method	GENSCAN
Start	133	End	261
GI	none	Score	.4
Exons	133..261		

Seq. No.	13435	Seq. ID	OJ990311_07.0114.C4
Gene No.	28593	Strand	+
Start	14	End	271
Name	OJ990311_07.0114.C4.o1.gs	Method	GENSCAN
Start	14	End	271
GI	none	Score	.97
Exons	14..271		

Seq. No.	13436	Seq. ID	OJ990311_07.0114.C6
Gene No.	28594	Strand	-
Start	47	End	258
Name	OJ990311_07.0114.C6.o1.gs	Method	GENSCAN
Start	47	End	258
GI	none	Score	.75
Exons	47..258		

Seq. No.	13437	Seq. ID	OJ990311_07.0114.C8
Gene No.	28595	Strand	-
Start	1	End	259
Name	OJ990311_07.0114.C8.o1.gp	Method	AAT/GAP
Start	1	End	259
GI	4107138	Score	384
Exons	1..259		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	13438	Seq. ID	OJ990311_07.0114.C9
Gene No.	28596	Strand	+
Start	732	End	1362
Name	OJ990311_07.0114.C9.o1.gs	Method	GENSCAN
Start	732	End	1362
GI	none	Score	.89
Exons	732..853, 1170..1362		

Seq. No.	13439	Seq. ID	OJ990311_07.0114.C10
Gene No.	28597	Strand	-
Start	3404	End	4289
Name	OJ990311_07.0114.C10.o2.gs	Method	GENSCAN
Start	3404	End	4289
GI	none	Score	.84
Exons	3404..3595, 3770..4087, 4176..4289		

Seq. No.	13439	Seq. ID	OJ990311_07.0114.C10
Gene No.	28597	Strand	-
Start	3404	End	4289
Name	OJ990311_07.0114.C10.o1.np	Method	AAT/NAP
Start	3413	End	4125
GI	118484	Score	308
Exons	3413..3678, 3770..3849, 3970..4125		
GI Descrip.	DEHYDRIN DHN1 (M3) (RAB-17 PROTEIN) gi|100919|pir||S08633 RAB-17 protein - maize gi|295856|emb|CAA34123| (X15994) RAB-17 [Zea mays]		

Seq. No.	13440	Seq. ID	OJ990311_07.0114.C11
Gene No.	28598	Strand	+
Start	127	End	1157
Name	OJ990311_07.0114.C11.o1.gs	Method	GENSCAN
Start	127	End	1157
GI	none	Score	.85
Exons	127..205, 994..1157		

Seq. No.	13441	Seq. ID	OJ990311_07.0114.C12
Gene No.	28599	Strand	+
Start	215	End	327
Name	OJ990311_07.0114.C12.o1.gs	Method	GENSCAN
Start	215	End	327
GI	none	Score	.63
Exons	215..327		

Seq. No.	13441	Seq. ID	OJ990311_07.0114.C12
Gene No.	28600	Strand	-
Start	1	End	3474
Name	OJ990311_07.0114.C12.o1.np	Method	AAT/NAP
Start	1	End	3474
GI	6815097	Score	405
Exons	1..73, 1105..1180, 2595..3474		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	13442	Seq. ID	OJ990311_07.0114.C13
Gene No.	28601	Strand	+
Start	1851	End	5675
Name	OJ990311_07.0114.C13.o1.np	Method	AAT/NAP
Start	1851	End	5675
GI	6063557	Score	425
Exons	1851..1886, 5081..5276, 5525..5675		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	13442	Seq. ID	OJ990311_07.0114.C13
Gene No.	28601	Strand	+
Start	1851	End	5675
Name	OJ990311_07.0114.C13.o2.gs	Method	GENSCAN
Start	4388	End	5280
GI	none	Score	.73
Exons	4388..4588, 5116..5280		

Seq. No.	13443	Seq. ID	OJ990311_07.0114.C14
Gene No.	28602	Strand	+
Start	1	End	3882
Name	OJ990311_07.0114.C14.o1.np	Method	AAT/NAP
Start	1	End	3882
GI	3080389	Score	51
Exons	1..40, 569..644, 1044..1097, 3848..3882		
GI Descrip.	(AL022603) putative membrane associated protein [Arabidopsis thaliana]		

Seq. No.	13443	Seq. ID	OJ990311_07.0114.C14
Gene No.	28602	Strand	+
Start	1	End	3882

Name	OJ990311_07.0114.C14.o1.gs	Method	GENSCAN
Start	10	End	511
GI	none	Score	.76
Exons	10..238, 402..511		

Seq. No.	13443	Seq. ID	OJ990311_07.0114.C14
Gene No.	28602	Strand	+
Start	1	End	3882
Name	OJ990311_07.0114.C14.o1.gp	Method	AAT/GAP
Start	476	End	2162
GI	4811_1.R1084	Score	974
Exons	476..644, 1775..2162		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	13443	Seq. ID	OJ990311_07.0114.C14
Gene No.	28603	Strand	-
Start	120	End	3924
Name	OJ990311_07.0114.C14.o2.np	Method	AAT/NAP
Start	120	End	3924
GI	6721547	Score	95
Exons	120..153, 3781..3924		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	13444	Seq. ID	OJ990311_07.0114.C15
Gene No.	28604	Strand	-
Start	243	End	931
Name	OJ990311_07.0114.C15.o1.gs	Method	GENSCAN
Start	243	End	931
GI	none	Score	.87
Exons	243..332, 562..740, 841..931		

Seq. No.	13445	Seq. ID	OJ990311_07.0114.C17
Gene No.	28605	Strand	+
Start	340	End	1222
Name	OJ990311_07.0114.C17.o1.gs	Method	GENSCAN
Start	340	End	1222
GI	none	Score	.72
Exons	340..622, 637..738, 1008..1092, 1205..1222		

Seq. No.	13445	Seq. ID	OJ990311_07.0114.C17
Gene No.	28606	Strand	-
Start	1455	End	1647
Name	OJ990311_07.0114.C17.o2.gs	Method	GENSCAN
Start	1455	End	1647
GI	none	Score	.9
Exons	1455..1647		

Seq. No.	13446	Seq. ID	OJ990311_07.0114.C18
Gene No.	28607	Strand	-
Start	195	End	1955
Name	OJ990311_07.0114.C18.o1.gs	Method	GENSCAN
Start	195	End	1955
GI	none	Score	.79
Exons	195..387, 1929..1955		

Seq. No.	13447	Seq. ID	OJ990311_07.0114.C20

Gene No.	28608	Strand	+
Start	405	End	4350
Name	OJ990311_07.0114.C20.o1.gs	Method	GENSCAN
Start	405	End	4350
GI	none	Score	.74
Exons	405..542, 1481..1572, 1923..2249, 2482..2506, 3928..4350		

Seq. No.	13447	Seq. ID	OJ990311_07.0114.C20
Gene No.	28609	Strand	-
Start	2098	End	4198
Name	OJ990311_07.0114.C20.o1.np	Method	AAT/NAP
Start	2098	End	4198
GI	6721512	Score	117
Exons	2098..2248, 4086..4198		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13448	Seq. ID	OJ990311_07.0114.C22
Gene No.	28610	Strand	+
Start	95	End	802
Name	OJ990311_07.0114.C22.o1.np	Method	AAT/NAP
Start	95	End	802
GI	4388825	Score	217
Exons	95..247, 349..802		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13448	Seq. ID	OJ990311_07.0114.C22
Gene No.	28610	Strand	+
Start	95	End	802
Name	OJ990311_07.0114.C22.o1.gs	Method	GENSCAN
Start	190	End	683
GI	none	Score	.46
Exons	190..347, 401..683		

Seq. No.	13448	Seq. ID	OJ990311_07.0114.C22
Gene No.	28610	Strand	+
Start	95	End	802
Name	OJ990311_07.0114.C22.o1.tw	Method	TBLASTX:Wheat
Start	209	End	579
GI	none	Score	93
Exons	209..328, 400..579, 411..563		

Seq. No.	13449	Seq. ID	OJ990311_07.0114.C23
Gene No.	28611	Strand	+
Start	299	End	658
Name	OJ990311_07.0114.C23.o1.gs	Method	GENSCAN
Start	299	End	658
GI	none	Score	.9
Exons	299..658		

Seq. No.	13450	Seq. ID	OJ990311_07.0114.C24
Gene No.	28612	Strand	+
Start	1	End	550
Name	OJ990311_07.0114.C24.o1.np	Method	AAT/NAP
Start	1	End	550
GI	4680179	Score	392
Exons	1..550		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	13450	Seq. ID	OJ990311_07.0114.C24
Gene No.	28612	Strand	+
Start	1	End	550
Name	OJ990311_07.0114.C24.o1.gs	Method	GENSCAN
Start	149	End	225
GI	none	Score	.76
Exons	149..225		

Seq. No.	13451	Seq. ID	OJ990311_07.0114.C25
Gene No.	28613	Strand	+
Start	380	End	2025
Name	OJ990311_07.0114.C25.o1.gs	Method	GENSCAN
Start	380	End	2012
GI	none	Score	.57
Exons	380..503, 1115..2012		

Seq. No.	13451	Seq. ID	OJ990311_07.0114.C25
Gene No.	28613	Strand	+
Start	380	End	2025
Name	OJ990311_07.0114.C25.o2.np	Method	AAT/NAP
Start	1181	End	2025
GI	5042448	Score	1294
Exons	1181..1751, 1782..2025		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	13451	Seq. ID	OJ990311_07.0114.C25
Gene No.	28614	Strand	-
Start	97	End	2025
Name	OJ990311_07.0114.C25.o1.np	Method	AAT/NAP
Start	97	End	2025
GI	4680183	Score	51
Exons	97..188, 359..427, 1995..2025		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	13452	Seq. ID	OJ990311_07.0114.C26
Gene No.	28615	Strand	+
Start	1	End	1882
Name	OJ990311_07.0114.C26.o1.np	Method	AAT/NAP
Start	1	End	1882
GI	4680179	Score	2829
Exons	1..1882		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13452	Seq. ID	OJ990311_07.0114.C26
Gene No.	28615	Strand	+
Start	1	End	1882
Name	OJ990311_07.0114.C26.o1.gs	Method	GENSCAN
Start	61	End	1812
GI	none	Score	.79
Exons	61..79, 230..565, 770..802, 1040..1812		

Seq. No.	13452	Seq. ID	OJ990311_07.0114.C26
Gene No.	28615	Strand	+
Start	1	End	1882

Name	OJ990311_07.0114.C26.o2.tw	Method	TBLASTX:Wheat
Start	109	End	474
GI	none	Score	239
Exons	109..408, 114..320, 394..474		

Seq. No.	13452	Seq. ID	OJ990311_07.0114.C26
Gene No.	28615	Strand	+
Start	1	End	1882
Name	OJ990311_07.0114.C26.o2.tm	Method	TBLASTX:Maize
Start	112	End	408
GI	none	Score	188
Exons	112..408, 129..299		

Seq. No.	13452	Seq. ID	OJ990311_07.0114.C26
Gene No.	28615	Strand	+
Start	1	End	1882
Name	OJ990311_07.0114.C26.o3.tw	Method	TBLASTX:Wheat
Start	751	End	1167
GI	none	Score	147
Exons	751..945, 768..899, 1006..1167, 1011..1166		

Seq. No.	13452	Seq. ID	OJ990311_07.0114.C26
Gene No.	28615	Strand	+
Start	1	End	1882
Name	OJ990311_07.0114.C26.o1.tw	Method	TBLASTX:Wheat
Start	1330	End	1807
GI	none	Score	531
Exons	1330..1800, 1434..1769, 1441..1803, 1664..1807		

Seq. No.	13452	Seq. ID	OJ990311_07.0114.C26
Gene No.	28615	Strand	+
Start	1	End	1882
Name	OJ990311_07.0114.C26.o1.tm	Method	TBLASTX:Maize
Start	1341	End	1631
GI	none	Score	80
Exons	1341..1622, 1342..1629, 1438..1629, 1440..1631		

Seq. No.	13452	Seq. ID	OJ990311_07.0114.C26
Gene No.	28615	Strand	+
Start	1	End	1882
Name	OJ990311_07.0114.C26.o1.ts	Method	TBLASTX:Soybean
Start	1366	End	1680
GI	none	Score	185
Exons	1366..1680, 1482..1679		

Seq. No.	13453	Seq. ID	OJ990311_07.0114.C27
Gene No.	28616	Strand	+
Start	933	End	2814
Name	OJ990311_07.0114.C27.o1.gs	Method	GENSCAN
Start	933	End	2814
GI	none	Score	.67
Exons	933..987, 1480..1516, 1609..1674, 1739..2023, 2293..2361, 2723..2814		

Seq. No.	13453	Seq. ID	OJ990311_07.0114.C27
Gene No.	28617	Strand	+
Start	2843	End	2949

Name	OJ990311_07.0114.C27.o3.np	Method	AAT/NAP
Start	2843	End	2949
GI	6721561	Score	86
Exons	2843..2949		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13453	Seq. ID	OJ990311_07.0114.C27
Gene No.	28618	Strand	-
Start	836	End	1462
Name	OJ990311_07.0114.C27.o1.np	Method	AAT/NAP
Start	836	End	1462
GI	6721559	Score	591
Exons	836..968, 999..1462		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13453	Seq. ID	OJ990311_07.0114.C27
Gene No.	28619	Strand	-
Start	2721	End	2859
Name	OJ990311_07.0114.C27.o2.np	Method	AAT/NAP
Start	2721	End	2859
GI	4680183	Score	125
Exons	2721..2859		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	13453	Seq. ID	OJ990311_07.0114.C27
Gene No.	28620	Strand	-
Start	3691	End	4191
Name	OJ990311_07.0114.C27.o2.gs	Method	GENSCAN
Start	3691	End	3893
GI	none	Score	.54
Exons	3691..3774, 3891..3893		

Seq. No.	13453	Seq. ID	OJ990311_07.0114.C27
Gene No.	28620	Strand	-
Start	3691	End	4191
Name	OJ990311_07.0114.C27.o4.np	Method	AAT/NAP
Start	3741	End	4191
GI	6063554	Score	142
Exons	3741..3915, 4127..4191		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13454	Seq. ID	OJ990311_07.0114.C28
Gene No.	28621	Strand	+
Start	1	End	606
Name	OJ990311_07.0114.C28.o2.np	Method	AAT/NAP
Start	1	End	606
GI	4680183	Score	124
Exons	1..19, 517..606		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	13454	Seq. ID	OJ990311_07.0114.C28
Gene No.	28622	Strand	-
Start	376	End	485
Name	OJ990311_07.0114.C28.o1.np	Method	AAT/NAP
Start	376	End	485
GI	6721561	Score	83
Exons	376..485		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13455	Seq. ID	OJ990311_07.0114.C31
Gene No.	28623	Strand	+
Start	332	End	543
Name	OJ990311_07.0114.C31.o1.gs	Method	GENSCAN
Start	332	End	543
GI	none	Score	.73
Exons	332..543		

Seq. No.	13456	Seq. ID	OJ990311_07.0114.C33
Gene No.	28624	Strand	-
Start	58	End	1069
Name	OJ990311_07.0114.C33.o1.gs	Method	GENSCAN
Start	58	End	1069
GI	none	Score	.78
Exons	58..356, 397..523, 1064..1069		

Seq. No.	13457	Seq. ID	OJ990311_07.0114.C34
Gene No.	28625	Strand	+
Start	1024	End	1181
Name	OJ990311_07.0114.C34.o1.gs	Method	GENSCAN
Start	1024	End	1181
GI	none	Score	.76
Exons	1024..1181		

Seq. No.	13458	Seq. ID	OJ990311_07.0114.C36
Gene No.	28626	Strand	+
Start	1	End	3935
Name	OJ990311_07.0114.C36.o1.np	Method	AAT/NAP
Start	1	End	3935
GI	5295955	Score	939
Exons	1..183, 439..536, 1237..1328, 1871..1985, 2668..2804, 2893..3189, 3270..3320, 3360..3935		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	13459	Seq. ID	OJ990311_07.0114.C37
Gene No.	28627	Strand	-
Start	278	End	1268
Name	OJ990311_07.0114.C37.o3.tm	Method	TBLASTX:Maize
Start	271	End	518
GI	none	Score	41
Exons	271..303, 271..303, 305..517, 306..518		

Seq. No.	13459	Seq. ID	OJ990311_07.0114.C37
Gene No.	28627	Strand	-
Start	278	End	1268
Name	OJ990311_07.0114.C37.o1.gs	Method	GENSCAN
Start	278	End	931
GI	none	Score	.97
Exons	278..931		

Seq. No.	13459	Seq. ID	OJ990311_07.0114.C37
Gene No.	28627	Strand	-
Start	278	End	1268
Name	OJ990311_07.0114.C37.o1.np	Method	AAT/NAP
Start	281	End	1268
GI	4680179	Score	1555
Exons	281..1268		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13459	Seq. ID	OJ990311_07.0114.C37
Gene No.	28627	Strand	-
Start	278	End	1268
Name	OJ990311_07.0114.C37.o2.tw	Method	TBLASTX:Wheat
Start	326	End	659
GI	none	Score	53
Exons	326..658, 327..407, 522..659		

Seq. No.	13459	Seq. ID	OJ990311_07.0114.C37
Gene No.	28627	Strand	-
Start	278	End	1268
Name	OJ990311_07.0114.C37.o1.tm	Method	TBLASTX:Maize
Start	518	End	1105
GI	none	Score	135
Exons	518..787, 519..779, 663..830, 848..943, 849..947, 947..1105, 951..1097, 953..1099		

Seq. No.	13459	Seq. ID	OJ990311_07.0114.C37
Gene No.	28627	Strand	-
Start	278	End	1268
Name	OJ990311_07.0114.C37.o1.tw	Method	TBLASTX:Wheat
Start	659	End	1267
GI	none	Score	328
Exons	659..1267, 660..1229		

Seq. No.	13459	Seq. ID	OJ990311_07.0114.C37
Gene No.	28627	Strand	-
Start	278	End	1268
Name	OJ990311_07.0114.C37.o2.tm	Method	TBLASTX:Maize
Start	1106	End	1268
GI	none	Score	68
Exons	1106..1267, 1132..1266, 1134..1268		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o1.np	Method	AAT/NAP
Start	1	End	2825
GI	4680179	Score	3875
Exons	1..2825		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o3.tw	Method	TBLASTX:Wheat
Start	54	End	483
GI	none	Score	93
Exons	54..260, 55..465, 55..483		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o4.tm	Method	TBLASTX:Maize
Start	55	End	345
GI	none	Score	91
Exons	55..345, 128..319		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o1.tw	Method	TBLASTX:Wheat
Start	487	End	995
GI	none	Score	256
Exons	487..918, 577..879, 578..922, 915..995		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o1.tm	Method	TBLASTX:Maize
Start	571	End	918
GI	none	Score	168
Exons	571..918, 586..882, 656..904		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o3.tm	Method	TBLASTX:Maize
Start	921	End	1277
GI	none	Score	110
Exons	921..1277, 1006..1266		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o4.tw	Method	TBLASTX:Wheat
Start	996	End	1298
GI	none	Score	200
Exons	996..1298, 997..1278		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o1.ts	Method	TBLASTX:Soybean
Start	1002	End	1406
GI	none	Score	104
Exons	1002..1265, 1011..1370, 1012..1266, 1293..1367, 1374..1406,		

1374..1406

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o2.tm	Method	TBLASTX:Maize
Start	1293	End	1764
GI	none	Score	101
Exons	1293..1760, 1326..1673, 1390..1764		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o2.tw	Method	TBLASTX:Wheat
Start	1347	End	1833
GI	none	Score	207
Exons	1347..1829, 1389..1829, 1390..1833		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o2.ts	Method	TBLASTX:Soybean
Start	1476	End	1760
GI	none	Score	67
Exons	1476..1760, 1477..1677		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o5.tw	Method	TBLASTX:Wheat
Start	2004	End	2358
GI	none	Score	79
Exons	2004..2357, 2040..2174, 2263..2358		

Seq. No.	13460	Seq. ID	OJ990311_07.0114.C38
Gene No.	28628	Strand	-
Start	1	End	2825
Name	OJ990311_07.0114.C38.o5.tm	Method	TBLASTX:Maize
Start	2091	End	2411
GI	none	Score	209
Exons	2091..2411		

Seq. No.	13461	Seq. ID	OJ990311_07.0114.C39
Gene No.	28629	Strand	-
Start	1	End	622
Name	OJ990311_07.0114.C39.o1.np	Method	AAT/NAP
Start	1	End	622
GI	5042447	Score	660
Exons	1..622		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13461	Seq. ID	OJ990311_07.0114.C39
Gene No.	28629	Strand	-
Start	1	End	622
Name	OJ990311_07.0114.C39.o1.tw	Method	TBLASTX:Wheat
Start	54	End	368
GI	none	Score	61

Exons	54..368, 55..243		
Seq. No.	13461	Seq. ID	OJ990311_07.0114.C39
Gene No.	28629	Strand	-
Start	1	End	622
Name	OJ990311_07.0114.C39.o1.gs	Method	GENSCAN
Start	429	End	619
GI	none	Score	.52
Exons	429..619		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o1.np	Method	AAT/NAP
Start	1	End	1231
GI	5042447	Score	1992
Exons	1..1231		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o3.tw	Method	TBLASTX:Wheat
Start	1	End	158
GI	none	Score	175
Exons	1..147, 1..141, 3..158		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o1.tm	Method	TBLASTX:Maize
Start	3	End	539
GI	none	Score	46
Exons	3..539, 85..222, 262..471		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o2.ts	Method	TBLASTX:Soybean
Start	6	End	251
GI	none	Score	197
Exons	6..251		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o1.gs	Method	GENSCAN
Start	48	End	1121
GI	none	Score	.71
Exons	48..581, 615..1121		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o2.tw	Method	TBLASTX:Wheat
Start	159	End	560
GI	none	Score	260

Exons	159..560, 160..528, 267..560		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o1.ts	Method	TBLASTX:Soybean
Start	273	End	668
GI	none	Score	149
Exons	273..632, 274..528, 402..632,	624..668, 636..668	
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o2.tm	Method	TBLASTX:Maize
Start	555	End	1022
GI	none	Score	103
Exons	555..1022, 588..935, 781..951		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o1.tw	Method	TBLASTX:Wheat
Start	612	End	1091
GI	none	Score	205
Exons	612..1091, 618..980, 652..987		
Seq. No.	13462	Seq. ID	OJ990311_07.0114.C41
Gene No.	28630	Strand	-
Start	1	End	1231
Name	OJ990311_07.0114.C41.o3.ts	Method	TBLASTX:Soybean
Start	741	End	1049
GI	none	Score	60
Exons	741..1049, 742..939		
Seq. No.	13463	Seq. ID	OJ990311_07.0114.C42
Gene No.	28631	Strand	-
Start	1	End	1075
Name	OJ990311_07.0114.C42.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	4680179	Score	1530
Exons	1..1075		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	13463	Seq. ID	OJ990311_07.0114.C42
Gene No.	28631	Strand	-
Start	1	End	1075
Name	OJ990311_07.0114.C42.o1.gs	Method	GENSCAN
Start	116	End	1075
GI	none	Score	.66
Exons	116..246, 272..450, 601..730,	846..958, 979..1075	
Seq. No.	13463	Seq. ID	OJ990311_07.0114.C42
Gene No.	28631	Strand	-
Start	1	End	1075
Name	OJ990311_07.0114.C42.o1.tm	Method	TBLASTX:Maize
Start	272	End	568
GI	none	Score	89

Exons	272..568, 381..551		
Seq. No.	13463	Seq. ID	OJ990311_07.0114.C42
Gene No.	28631	Strand	-
Start	1	End	1075
Name	OJ990311_07.0114.C42.o1.tw	Method	TBLASTX:Wheat
Start	449	End	808
GI	none	Score	104
Exons	449..808, 450..683, 458..778		
Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28632	Strand	+
Start	2567	End	14812
Name	OJ990311_07.0114.C43.o3.np	Method	AAT/NAP
Start	2567	End	7268
GI	4680183	Score	54
Exons	2567..2600, 6456..6527, 7181..7268		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28632	Strand	+
Start	2567	End	14812
Name	OJ990311_07.0114.C43.o1.gp	Method	AAT/GAP
Start	3022	End	3375
GI	61605_3.R1084	Score	442
Exons	3022..3055, 3118..3375		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28632	Strand	+
Start	2567	End	14812
Name	OJ990311_07.0114.C43.o2.gs	Method	GENSCAN
Start	4783	End	14812
GI	none	Score	.58
Exons	4783..4871, 4876..5053, 6438..6527, 7206..7361, 7557..7742, 8121..8727, 8781..8957, 11381..11531, 11585..11667, 12959..13047, 14018..14812		
Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28633	Strand	+
Start	15041	End	18322
Name	OJ990311_07.0114.C43.o4.np	Method	AAT/NAP
Start	15041	End	18322
GI	4680179	Score	2595
Exons	15041..16101, 16129..18322		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28634	Strand	+
Start	19089	End	20652
Name	OJ990311_07.0114.C43.o5.np	Method	AAT/NAP
Start	19089	End	20652
GI	6063554	Score	192
Exons	19089..19273, 19372..19431, 20476..20652		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28635	Strand	+
Start	21793	End	23169
Name	OJ990311_07.0114.C43.o6.np	Method	AAT/NAP
Start	21793	End	22589
GI	4512231	Score	1283
Exons	21793..22589		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28635	Strand	+
Start	21793	End	23169
Name	OJ990311_07.0114.C43.o5.gs	Method	GENSCAN
Start	21793	End	22587
GI	none	Score	.81
Exons	21793..22587		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28635	Strand	+
Start	21793	End	23169
Name	OJ990311_07.0114.C43.o7.np	Method	AAT/NAP
Start	22263	End	23169
GI	4680179	Score	197
Exons	22263..22319, 22871..23169		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28636	Strand	-
Start	262	End	2533
Name	OJ990311_07.0114.C43.o1.gs	Method	GENSCAN
Start	262	End	2162
GI	none	Score	.49
Exons	262..412, 484..961, 973..1197, 1574..2162		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28636	Strand	-
Start	262	End	2533
Name	OJ990311_07.0114.C43.o1.np	Method	AAT/NAP
Start	373	End	2533
GI	4325357	Score	391
Exons	373..876, 1684..2533		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28637	Strand	-
Start	3755	End	5395
Name	OJ990311_07.0114.C43.o2.np	Method	AAT/NAP
Start	3755	End	5395
GI	6063554	Score	202
Exons	3755..3949, 4898..5157, 5277..5395		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o8.tw	Method	TBLASTX:Wheat
Start	693	End	1063
GI	none	Score	81
Exons	693..872, 709..861, 944..1063		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o1.tc	Method	TBLASTX:Cress
Start	1854	End	2147
GI	none	Score	205
Exons	1854..2147		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o6.tw	Method	TBLASTX:Wheat
Start	1866	End	2299
GI	none	Score	76
Exons	1866..1973, 1947..2159, 2207..2299		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o2.ts	Method	TBLASTX:Soybean
Start	1884	End	2159
GI	none	Score	184
Exons	1884..2159		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o4.tm	Method	TBLASTX:Maize
Start	10765	End	11403
GI	none	Score	110
Exons	10765..10887, 10766..10885, 10767..10889, 10779..10895, 10867..10998, 10880..10999, 10883..10999, 11235..11312, 11235..11315, 11236..11313, 11236..11340, 11305..11403, 11314..11403		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o7.tw	Method	TBLASTX:Wheat
Start	15252	End	23168
GI	none	Score	210
Exons	15252..15449, 15253..15450, 23028..23168, 23042..23167		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o4.tw	Method	TBLASTX:Wheat
Start	15499	End	15852

GI	none	Score	310
Exons	15499..15696, 15502..15852		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o3.tm	Method	TBLASTX:Maize
Start	15502	End	15807
GI	none	Score	255
Exons	15502..15807, 15502..15738		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o5.tw	Method	TBLASTX:Wheat
Start	16186	End	16539
GI	none	Score	247
Exons	16186..16539		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o2.tw	Method	TBLASTX:Wheat
Start	16739	End	17311
GI	none	Score	608
Exons	16739..17311, 16813..17307		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o1.ts	Method	TBLASTX:Soybean
Start	17099	End	17359
GI	none	Score	290
Exons	17099..17359, 17110..17358		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o2.tm	Method	TBLASTX:Maize
Start	17158	End	17449
GI	none	Score	410
Exons	17158..17445, 17159..17449, 17291..17446		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o1.tw	Method	TBLASTX:Wheat
Start	17318	End	17944
GI	none	Score	696
Exons	17318..17944, 17320..17823, 17375..17935		

Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o1.tm	Method	TBLASTX:Maize
Start	17497	End	18082
GI	none	Score	229

Exons	17497..17652, 17498..17659, 17656..17817, 17657..18082, 17777..18061, 17884..18081		
Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o3.tw	Method	TBLASTX:Wheat
Start	17944	End	18277
GI	none	Score	316
Exons	17944..18225, 17945..18277, 17948..18226		
Seq. No.	13464	Seq. ID	OJ990311_07.0114.C43
Gene No.	28638	Strand	-
Start	18562	End	23168
Name	OJ990311_07.0114.C43.o4.gs	Method	GENSCAN
Start	18562	End	20465
GI	none	Score	.83
Exons	18562..18997, 19028..19597, 20383..20465		
Seq. No.	13465	Seq. ID	OJ990311_07.0114.C44
Gene No.	28639	Strand	+
Start	90	End	1834
Name	OJ990311_07.0114.C44.o1.np	Method	AAT/NAP
Start	90	End	1834
GI	4680179	Score	1413
Exons	90..1148, 1176..1834		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	13465	Seq. ID	OJ990311_07.0114.C44
Gene No.	28639	Strand	+
Start	90	End	1834
Name	OJ990311_07.0114.C44.o1.gs	Method	GENSCAN
Start	248	End	1808
GI	none	Score	.45
Exons	248..1004, 1018..1808		
Seq. No.	13465	Seq. ID	OJ990311_07.0114.C44
Gene No.	28639	Strand	+
Start	90	End	1834
Name	OJ990311_07.0114.C44.o4.tw	Method	TBLASTX:Wheat
Start	298	End	496
GI	none	Score	193
Exons	298..495, 314..496, 323..496		
Seq. No.	13465	Seq. ID	OJ990311_07.0114.C44
Gene No.	28639	Strand	+
Start	90	End	1834
Name	OJ990311_07.0114.C44.o1.tw	Method	TBLASTX:Wheat
Start	545	End	898
GI	none	Score	321
Exons	545..742, 548..898		
Seq. No.	13465	Seq. ID	OJ990311_07.0114.C44
Gene No.	28639	Strand	+
Start	90	End	1834
Name	OJ990311_07.0114.C44.o1.tm	Method	TBLASTX:Maize
Start	548	End	853

GI	none	Score	245
Exons	548..853		
Seq. No.	13465	Seq. ID	OJ990311_07.0114.C44
Gene No.	28639	Strand	+
Start	90	End	1834
Name	OJ990311_07.0114.C44.o3.tw	Method	TBLASTX:Wheat
Start	1065	End	1316
GI	none	Score	82
Exons	1065..1187, 1079..1120, 1173..1316, 1232..1315		
Seq. No.	13465	Seq. ID	OJ990311_07.0114.C44
Gene No.	28639	Strand	+
Start	90	End	1834
Name	OJ990311_07.0114.C44.o2.tw	Method	TBLASTX:Wheat
Start	1410	End	1766
GI	none	Score	122
Exons	1410..1574, 1469..1537, 1599..1766, 1637..1759		
Seq. No.	13465	Seq. ID	OJ990311_07.0114.C44
Gene No.	28639	Strand	+
Start	90	End	1834
Name	OJ990311_07.0114.C44.o2.tm	Method	TBLASTX:Maize
Start	1590	End	1783
GI	none	Score	188
Exons	1590..1781, 1637..1783		
Seq. No.	13466	Seq. ID	OJ990311_07.0114.C45
Gene No.	28640	Strand	-
Start	299	End	368
Name	OJ990311_07.0114.C45.o1.gs	Method	GENSCAN
Start	299	End	368
GI	none	Score	.91
Exons	299..368		
Seq. No.	13467	Seq. ID	OJ990311_07.0114.C46
Gene No.	28641	Strand	+
Start	105	End	317
Name	OJ990311_07.0114.C46.o1.gs	Method	GENSCAN
Start	105	End	317
GI	none	Score	.75
Exons	105..317		
Seq. No.	13468	Seq. ID	OJ990311_07.0114.C47
Gene No.	28642	Strand	+
Start	1	End	293
Name	OJ990311_07.0114.C47.o1.np	Method	AAT/NAP
Start	1	End	293
GI	135945	Score	474
Exons	1..293		
GI Descrip.	TRANSPOSON GAMMA-DELTA RESOLVASE (TRANSPOSON TN1000) gi|72975|pir||RPECTG resolvase - Escherichia coli transposon gamma-delta gi|1421516|pdb|1GDT|A Chain A, Crystal Structure Of A Site-Specific Recombinase, Gamma-Delta Resolvase Complexed With A 34 Bp Cleavage Site gi|1421517|pdb|1GDT|B Chain B, Crystal Structure Of A Site-Specific Recombinase, Gamma-Delta Resolvase		

Seq. No.	13469	Seq. ID	OJ990311_07.0114.C50
Gene No.	28643	Strand	-
Start	1015	End	1736
Name	OJ990311_07.0114.C50.o1.gs	Method	GENSCAN
Start	1015	End	1667
GI	none	Score	.92
Exons	1015..1275, 1299..1667		

Seq. No.	13469	Seq. ID	OJ990311_07.0114.C50
Gene No.	28643	Strand	-
Start	1015	End	1736
Name	OJ990311_07.0114.C50.o1.np	Method	AAT/NAP
Start	1018	End	1736
GI	4680179	Score	1182
Exons	1018..1736		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13469	Seq. ID	OJ990311_07.0114.C50
Gene No.	28643	Strand	-
Start	1015	End	1736
Name	OJ990311_07.0114.C50.o2.tm	Method	TBLASTX:Maize
Start	1042	End	1287
GI	none	Score	68
Exons	1042..1287, 1081..1263, 1181..1264		

Seq. No.	13469	Seq. ID	OJ990311_07.0114.C50
Gene No.	28643	Strand	-
Start	1015	End	1736
Name	OJ990311_07.0114.C50.o1.tw	Method	TBLASTX:Wheat
Start	1063	End	1484
GI	none	Score	107
Exons	1063..1281, 1275..1484, 1285..1464		

Seq. No.	13469	Seq. ID	OJ990311_07.0114.C50
Gene No.	28643	Strand	-
Start	1015	End	1736
Name	OJ990311_07.0114.C50.o1.tm	Method	TBLASTX:Maize
Start	1314	End	1736
GI	none	Score	124
Exons	1314..1736, 1318..1512, 1335..1730		

Seq. No.	13469	Seq. ID	OJ990311_07.0114.C50
Gene No.	28643	Strand	-
Start	1015	End	1736
Name	OJ990311_07.0114.C50.o2.tw	Method	TBLASTX:Wheat
Start	1488	End	1731
GI	none	Score	147
Exons	1488..1730, 1492..1731, 1615..1731		

Seq. No.	13470	Seq. ID	OJ990311_07.0114.C52
Gene No.	28644	Strand	-
Start	1	End	321
Name	OJ990311_07.0114.C52.o1.np	Method	AAT/NAP
Start	1	End	321
GI	4680179	Score	496
Exons	1..321		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	13470	Seq. ID	OJ990311_07.0114.C52
Gene No.	28644	Strand	-
Start	1	End	321
Name	OJ990311_07.0114.C52.o1.tw	Method	TBLASTX:Wheat
Start	1	End	319
GI	none	Score	44
Exons	1..48, 3..50, 50..319, 51..317		

Seq. No.	13470	Seq. ID	OJ990311_07.0114.C52
Gene No.	28644	Strand	-
Start	1	End	321
Name	OJ990311_07.0114.C52.o1.tm	Method	TBLASTX:Maize
Start	53	End	319
GI	none	Score	98
Exons	53..319, 58..243, 63..317		

Seq. No.	13470	Seq. ID	OJ990311_07.0114.C52
Gene No.	28645	Strand	
Start	319	End	552
Name	OJ990311_07.0114.C52.o2.tm	Method	TBLASTX:Maize
Start	319	End	543
GI	none	Score	186
Exons	319..543, 320..541		

Seq. No.	13470	Seq. ID	OJ990311_07.0114.C52
Gene No.	28645	Strand	
Start	319	End	552
Name	OJ990311_07.0114.C52.o2.tw	Method	TBLASTX:Wheat
Start	319	End	552
GI	none	Score	230
Exons	319..552, 320..544		

Seq. No.	13471	Seq. ID	OJ990311_07.0114.C53
Gene No.	28646	Strand	+
Start	125	End	437
Name	OJ990311_07.0114.C53.o1.gs	Method	GENSCAN
Start	125	End	437
GI	none	Score	.49
Exons	125..272, 310..437		

Seq. No.	13471	Seq. ID	OJ990311_07.0114.C53
Gene No.	28647	Strand	-
Start	1	End	218
Name	OJ990311_07.0114.C53.o1.np	Method	AAT/NAP
Start	1	End	218
GI	6721512	Score	114
Exons	1..218		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	13472	Seq. ID	OJ990311_07.0114.C54
Gene No.	28648	Strand	-
Start	1	End	761
Name	OJ990311_07.0114.C54.o1.np	Method	AAT/NAP
Start	1	End	761
GI	4680179	Score	709

Exons	1..424, 466..761		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	13472	Seq. ID	OJ990311_07.0114.C54
Gene No.	28648	Strand	-
Start	1	End	761
Name	OJ990311_07.0114.C54.o1.gs	Method	GENSCAN
Start	26	End	495
GI	none	Score	.45
Exons	26..248, 453..495		
Seq. No.	13472	Seq. ID	OJ990311_07.0114.C54
Gene No.	28648	Strand	-
Start	1	End	761
Name	OJ990311_07.0114.C54.o1.ts	Method	TBLASTX:Soybean
Start	28	End	213
GI	none	Score	35
Exons	28..177, 34..72, 100..174, 181..213, 181..213		
Seq. No.	13472	Seq. ID	OJ990311_07.0114.C54
Gene No.	28648	Strand	-
Start	1	End	761
Name	OJ990311_07.0114.C54.o1.tw	Method	TBLASTX:Wheat
Start	79	End	427
GI	none	Score	176
Exons	79..276, 82..249, 152..292, 280..363, 287..364, 395..427		
Seq. No.	13472	Seq. ID	OJ990311_07.0114.C54
Gene No.	28648	Strand	-
Start	1	End	761
Name	OJ990311_07.0114.C54.o1.tm	Method	TBLASTX:Maize
Start	100	End	528
GI	none	Score	54
Exons	100..390, 133..390, 395..448, 395..451, 448..528, 469..519		
Seq. No.	13473	Seq. ID	OJ990311_07.0114.C55
Gene No.	28649	Strand	+
Start	1	End	279
Name	OJ990311_07.0114.C55.o1.np	Method	AAT/NAP
Start	1	End	279
GI	6721559	Score	167
Exons	1..177, 208..279		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	13473	Seq. ID	OJ990311_07.0114.C55
Gene No.	28650	Strand	-
Start	11	End	257
Name	OJ990311_07.0114.C55.o1.gs	Method	GENSCAN
Start	11	End	257
GI	none	Score	.64
Exons	11..151, 189..257		
Seq. No.	13474	Seq. ID	OJ990311_07.0114.C57
Gene No.	28651	Strand	-
Start	82	End	103

Name	OJ990311_07.0114.C57.o1.gs	Method	GENSCAN
Start	82	End	103
GI	none	Score	.74
Exons	82..103		

Seq. No.	13475	Seq. ID	OJ990311_07.0114.C58
Gene No.	28652	Strand	+
Start	1	End	307
Name	OJ990311_07.0114.C58.o1.np	Method	AAT/NAP
Start	1	End	307
GI	4680179	Score	354
Exons	1..307		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13475	Seq. ID	OJ990311_07.0114.C58
Gene No.	28652	Strand	+
Start	1	End	307
Name	OJ990311_07.0114.C58.o1.tm	Method	TBLASTX:Maize
Start	47	End	277
GI	none	Score	306
Exons	47..277, 52..276		

Seq. No.	13475	Seq. ID	OJ990311_07.0114.C58
Gene No.	28652	Strand	+
Start	1	End	307
Name	OJ990311_07.0114.C58.o1.ts	Method	TBLASTX:Soybean
Start	47	End	190
GI	none	Score	195
Exons	47..190, 52..189		

Seq. No.	13475	Seq. ID	OJ990311_07.0114.C58
Gene No.	28652	Strand	+
Start	1	End	307
Name	OJ990311_07.0114.C58.o1.tw	Method	TBLASTX:Wheat
Start	101	End	307
GI	none	Score	169
Exons	101..283, 122..307		

Seq. No.	13476	Seq. ID	OJ990311_07.0114.C60
Gene No.	28653	Strand	+
Start	1	End	310
Name	OJ990311_07.0114.C60.o1.np	Method	AAT/NAP
Start	1	End	310
GI	5852178	Score	134
Exons	1..33, 216..310		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	13476	Seq. ID	OJ990311_07.0114.C60
Gene No.	28654	Strand	+
Start	216	End	332
Name	OJ990311_07.0114.C60.o1.gs	Method	GENSCAN
Start	216	End	332
GI	none	Score	.65
Exons	216..332		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28655	Strand	+

Start	194	End	2076
Name	OJ990311_07.0114.C63.o1.gs	Method	GENSCAN
Start	194	End	2076
GI	none	Score	.76
Exons	194..319, 432..537, 2021..2076		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o1.np	Method	AAT/NAP
Start	2856	End	6229
GI	4680179	Score	3131
Exons	2856..6229		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o6.tw	Method	TBLASTX:Wheat
Start	3075	End	3335
GI	none	Score	192
Exons	3075..3335, 3087..3260, 3098..3307		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o5.tw	Method	TBLASTX:Wheat
Start	3971	End	4369
GI	none	Score	160
Exons	3971..4192, 4021..4137, 4205..4369, 4222..4332		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o5.tm	Method	TBLASTX:Maize
Start	4414	End	4588
GI	none	Score	180
Exons	4414..4587, 4430..4588		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o2.tw	Method	TBLASTX:Wheat
Start	4519	End	5002
GI	none	Score	535
Exons	4519..4959, 4520..5002, 4556..4999		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o2.tm	Method	TBLASTX:Maize
Start	4589	End	5056
GI	none	Score	357
Exons	4589..5056, 4661..4843, 4898..5023		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+

Start	2856	End	6229
Name	OJ990311_07.0114.C63.o1.ts	Method	TBLASTX:Soybean
Start	4943	End	5338
GI	none	Score	55
Exons	4943..4975, 4973..5053, 4979..5338, 5083..5337		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o4.tw	Method	TBLASTX:Wheat
Start	5051	End	5353
GI	none	Score	387
Exons	5051..5353, 5069..5158, 5083..5352		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o3.tm	Method	TBLASTX:Maize
Start	5057	End	5220
GI	none	Score	196
Exons	5057..5218, 5083..5220		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o1.tm	Method	TBLASTX:Maize
Start	5224	End	5682
GI	none	Score	459
Exons	5224..5682, 5225..5665		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o1.tw	Method	TBLASTX:Wheat
Start	5354	End	5857
GI	none	Score	622
Exons	5354..5857, 5359..5856		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o2.ts	Method	TBLASTX:Soybean
Start	5363	End	5605
GI	none	Score	214
Exons	5363..5605, 5365..5490, 5402..5563, 5566..5604		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229
Name	OJ990311_07.0114.C63.o3.tw	Method	TBLASTX:Wheat
Start	5858	End	6229
GI	none	Score	416
Exons	5858..6229, 5962..6222		

Seq. No.	13477	Seq. ID	OJ990311_07.0114.C63
Gene No.	28656	Strand	+
Start	2856	End	6229

Name	OJ990311_07.0114.C63.o4.tm	Method	TBLASTX:Maize
Start	5996	End	6226
GI	none	Score	181
Exons	5996..6226, 6095..6226		

Seq. No.	13478	Seq. ID	OJ990311_07.0114.C65
Gene No.	28657	Strand	-
Start	1	End	566
Name	OJ990311_07.0114.C65.o1.np	Method	AAT/NAP
Start	1	End	566
GI	4512231	Score	860
Exons	1..566		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	13478	Seq. ID	OJ990311_07.0114.C65
Gene No.	28657	Strand	-
Start	1	End	566
Name	OJ990311_07.0114.C65.o1.gs	Method	GENSCAN
Start	101	End	566
GI	none	Score	.95
Exons	101..566		

Seq. No.	13479	Seq. ID	OJ990311_07.0114.C66
Gene No.	28658	Strand	-
Start	304	End	764
Name	OJ990311_07.0114.C66.o1.np	Method	AAT/NAP
Start	304	End	764
GI	6063554	Score	125
Exons	304..478, 689..764		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o1.gs	Method	GENSCAN
Start	547	End	1788
GI	none	Score	.49
Exons	547..714, 898..1788		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o1.np	Method	AAT/NAP
Start	550	End	1818
GI	4680179	Score	1951
Exons	550..1818		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o3.tw	Method	TBLASTX:Wheat
Start	595	End	928
GI	none	Score	67
Exons	595..681, 646..777, 728..928, 739..927		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o1.tm	Method	TBLASTX:Maize
Start	790	End	1375
GI	none	Score	86
Exons	790..1215, 791..988, 811..1095, 1055..1216, 1213..1374, 1220..1375		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o1.tw	Method	TBLASTX:Wheat
Start	928	End	1554
GI	none	Score	264
Exons	928..1554, 1049..1498		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o2.tm	Method	TBLASTX:Maize
Start	1423	End	1714
GI	none	Score	310
Exons	1423..1713, 1427..1714, 1463..1714		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o1.ts	Method	TBLASTX:Soybean
Start	1513	End	1773
GI	none	Score	187
Exons	1513..1773, 1514..1762		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o1.tc	Method	TBLASTX:Cress
Start	1537	End	1806
GI	none	Score	87
Exons	1537..1680, 1538..1678, 1681..1806		

Seq. No.	13480	Seq. ID	OJ990311_07.0114.C67
Gene No.	28659	Strand	-
Start	547	End	1818
Name	OJ990311_07.0114.C67.o2.tw	Method	TBLASTX:Wheat
Start	1560	End	1816
GI	none	Score	142
Exons	1560..1808, 1561..1815, 1565..1816, 1565..1816		

Seq. No.	13481	Seq. ID	OJ990311_07.0114.C68
Gene No.	28660	Strand	+
Start	1	End	1343
Name	OJ990311_07.0114.C68.o1.np	Method	AAT/NAP
Start	1	End	1343
GI	4680179	Score	1495
Exons	1..1343		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	13481	Seq. ID	OJ990311_07.0114.C68
Gene No.	28660	Strand	+
Start	1	End	1343
Name	OJ990311_07.0114.C68.o1.tw	Method	TBLASTX:Wheat
Start	29	End	556
GI	none	Score	613
Exons	29..556, 95..550, 172..555		

Seq. No.	13481	Seq. ID	OJ990311_07.0114.C68
Gene No.	28660	Strand	+
Start	1	End	1343
Name	OJ990311_07.0114.C68.o1.gs	Method	GENSCAN
Start	96	End	214
GI	none	Score	.63
Exons	96..214		

Seq. No.	13481	Seq. ID	OJ990311_07.0114.C68
Gene No.	28660	Strand	+
Start	1	End	1343
Name	OJ990311_07.0114.C68.o2.tm	Method	TBLASTX:Maize
Start	215	End	520
GI	none	Score	259
Exons	215..520, 241..432		

Seq. No.	13481	Seq. ID	OJ990311_07.0114.C68
Gene No.	28660	Strand	+
Start	1	End	1343
Name	OJ990311_07.0114.C68.o1.tc	Method	TBLASTX:Cress
Start	254	End	580
GI	none	Score	89
Exons	254..436, 437..580, 502..579		

Seq. No.	13481	Seq. ID	OJ990311_07.0114.C68
Gene No.	28660	Strand	+
Start	1	End	1343
Name	OJ990311_07.0114.C68.o1.ts	Method	TBLASTX:Soybean
Start	344	End	604
GI	none	Score	296
Exons	344..604, 349..450, 536..604		

Seq. No.	13481	Seq. ID	OJ990311_07.0114.C68
Gene No.	28660	Strand	+
Start	1	End	1343
Name	OJ990311_07.0114.C68.o1.tm	Method	TBLASTX:Maize
Start	521	End	841
GI	none	Score	441
Exons	521..838, 532..837, 746..841		

Seq. No.	13481	Seq. ID	OJ990311_07.0114.C68
Gene No.	28660	Strand	+
Start	1	End	1343
Name	OJ990311_07.0114.C68.o2.tw	Method	TBLASTX:Wheat
Start	562	End	949
GI	none	Score	475
Exons	562..939, 563..949, 743..949		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o1.np	Method	AAT/NAP
Start	1	End	1712
GI	4680179	Score	2344
Exons	1..1712		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o1.gs	Method	GENSCAN
Start	90	End	1344
GI	none	Score	.41
Exons	90..1344		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o4.tm	Method	TBLASTX:Maize
Start	142	End	335
GI	none	Score	188
Exons	142..333, 189..335		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o2.tw	Method	TBLASTX:Wheat
Start	270	End	753
GI	none	Score	530
Exons	270..710, 271..753, 298..750		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o2.ts	Method	TBLASTX:Soybean
Start	307	End	621
GI	none	Score	199
Exons	307..621		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o2.tm	Method	TBLASTX:Maize
Start	336	End	783
GI	none	Score	375
Exons	336..578, 340..783		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o1.ts	Method	TBLASTX:Soybean
Start	694	End	1089
GI	none	Score	57
Exons	694..726, 694..726, 730..783,	732..773,	733..873, 838..1089,

846..1079

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o3.tw	Method	TBLASTX:Wheat
Start	821	End	1104
GI	none	Score	57
Exons	821..895, 841..1104, 843..1103		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o3.tm	Method	TBLASTX:Maize
Start	838	End	1170
GI	none	Score	308
Exons	838..1170, 891..1169		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o1.tw	Method	TBLASTX:Wheat
Start	1105	End	1530
GI	none	Score	580
Exons	1105..1530, 1107..1523, 1180..1530		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o3.ts	Method	TBLASTX:Soybean
Start	1111	End	1359
GI	none	Score	187
Exons	1111..1359		

Seq. No.	13482	Seq. ID	OJ990311_07.0114.C69
Gene No.	28661	Strand	+
Start	1	End	1712
Name	OJ990311_07.0114.C69.o1.tm	Method	TBLASTX:Maize
Start	1177	End	1530
GI	none	Score	446
Exons	1177..1530, 1182..1340, 1380..1445, 1491..1523		

Seq. No.	13483	Seq. ID	OJ990311_07.0114.C70
Gene No.	28662	Strand	+
Start	1	End	592
Name	OJ990311_07.0114.C70.o1.np	Method	AAT/NAP
Start	1	End	592
GI	4680179	Score	672
Exons	1..592		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13483	Seq. ID	OJ990311_07.0114.C70
Gene No.	28662	Strand	+
Start	1	End	592
Name	OJ990311_07.0114.C70.o1.tw	Method	TBLASTX:Wheat
Start	20	End	506
GI	none	Score	580

Exons	20..505, 121..501, 348..506		
Seq. No.	13483	Seq. ID	OJ990311_07.0114.C70
Gene No.	28662	Strand	+
Start	1	End	592
Name	OJ990311_07.0114.C70.o1.gs	Method	GENSCAN
Start	122	End	523
GI	none	Score	.59
Exons	122..523		
Seq. No.	13483	Seq. ID	OJ990311_07.0114.C70
Gene No.	28662	Strand	+
Start	1	End	592
Name	OJ990311_07.0114.C70.o1.ts	Method	TBLASTX:Soybean
Start	293	End	553
GI	none	Score	272
Exons	293..553, 325..552		
Seq. No.	13483	Seq. ID	OJ990311_07.0114.C70
Gene No.	28662	Strand	+
Start	1	End	592
Name	OJ990311_07.0114.C70.o1.tm	Method	TBLASTX:Maize
Start	317	End	573
GI	none	Score	352
Exons	317..571, 325..573		
Seq. No.	13484	Seq. ID	OJ990311_07.0114.C73
Gene No.	28663	Strand	-
Start	115	End	674
Name	OJ990311_07.0114.C73.o1.gs	Method	GENSCAN
Start	115	End	674
GI	none	Score	.78
Exons	115..523, 554..674		
Seq. No.	13485	Seq. ID	OJ990311_07.0114.C74
Gene No.	28664	Strand	-
Start	152	End	268
Name	OJ990311_07.0114.C74.o1.gs	Method	GENSCAN
Start	152	End	268
GI	none	Score	.42
Exons	152..268		
Seq. No.	13485	Seq. ID	OJ990311_07.0114.C74
Gene No.	28665	Strand	-
Start	174	End	573
Name	OJ990311_07.0114.C74.o1.np	Method	AAT/NAP
Start	174	End	573
GI	5852178	Score	128
Exons	174..268, 471..573		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	13486	Seq. ID	OJ990311_06.0131.C1
Gene No.	28666	Strand	+
Start	1	End	575
Name	OJ990311_06.0131.C1.o1.np	Method	AAT/NAP
Start	1	End	575
GI	4539440	Score	363

Exons	1..417, 531..575		
GI Descrip.	(AL049523) putative protein [Arabidopsis thaliana]		
Seq. No.	13487	Seq. ID	OJ990311_06.0131.C2
Gene No.	28667	Strand	-
Start	1	End	600
Name	OJ990311_06.0131.C2.o1.np	Method	AAT/NAP
Start	1	End	600
GI	4903018	Score	254
Exons	1..20, 355..600		
GI Descrip.	(AB027507) ACE [Arabidopsis thaliana]		
Seq. No.	13487	Seq. ID	OJ990311_06.0131.C2
Gene No.	28667	Strand	-
Start	1	End	600
Name	OJ990311_06.0131.C2.o1.tc	Method	TBLASTX:Cress
Start	326	End	599
GI	none	Score	46
Exons	326..382, 365..412, 410..469, 411..455, 438..599, 452..598		
Seq. No.	13487	Seq. ID	OJ990311_06.0131.C2
Gene No.	28667	Strand	-
Start	1	End	600
Name	OJ990311_06.0131.C2.o1.ts	Method	TBLASTX:Soybean
Start	326	End	599
GI	none	Score	213
Exons	326..598, 360..599		
Seq. No.	13487	Seq. ID	OJ990311_06.0131.C2
Gene No.	28667	Strand	-
Start	1	End	600
Name	OJ990311_06.0131.C2.o1.tm	Method	TBLASTX:Maize
Start	326	End	600
GI	none	Score	246
Exons	326..595, 333..593, 356..598, 360..599, 361..600		
Seq. No.	13487	Seq. ID	OJ990311_06.0131.C2
Gene No.	28667	Strand	-
Start	1	End	600
Name	OJ990311_06.0131.C2.o1.gp	Method	AAT/GAP
Start	359	End	600
GI	27472_1.R1084	Score	453
Exons	359..600		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	13487	Seq. ID	OJ990311_06.0131.C2
Gene No.	28667	Strand	-
Start	1	End	600
Name	OJ990311_06.0131.C2.o1.gs	Method	GENSCAN
Start	359	End	529
GI	none	Score	.81
Exons	359..529		
Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28668	Strand	+

Start	1	End	536
Name	OJ990311_06.0131.C5.o1.gp	Method	AAT/GAP
Start	1	End	536
GI	3073_1.R1084	Score	1031
Exons	1..536		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28669	Strand	-
Start	1	End	86
Name	OJ990311_06.0131.C5.o1.np	Method	AAT/NAP
Start	1	End	86
GI	132790	Score	113
Exons	1..86		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L22 gi|71290|pir||R5RZ22 ribosomal protein L22 - rice chloroplast gi|12026|emb|CAA33935| (X15901) ribosomal protein L22 [Oryza sativa] gi|226647|prf||1603356BX ribosomal protein L22 [Oryza sativa]		

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28670	Strand	-
Start	157	End	435
Name	OJ990311_06.0131.C5.o2.np	Method	AAT/NAP
Start	157	End	435
GI	1213601	Score	478
Exons	157..435		
GI Descrip.	(X15901) ribosomal protein S19 [Oryza sativa] gi|226648|prf||1603356BY ribosomal protein S19 [Oryza sativa]		

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28671	Strand	-
Start	435	End	681
Name	OJ990311_06.0131.C5.o3.np	Method	AAT/NAP
Start	435	End	681
GI	82538	Score	419
Exons	435..681		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi|12028|emb|CAA33936| (X15901) ORF82 [Oryza sativa] gi|12074|emb|CAA33926| (X15901) ORF82 [Oryza sativa] gi|226650|prf||1603356CA ORF 82 [Oryza sativa]		

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28672	Strand	-
Start	701	End	872
Name	OJ990311_06.0131.C5.o1.tm	Method	TBLASTX:Maize
Start	3	End	553
GI	none	Score	52
Exons	3..44, 3..44, 7..135, 36..113, 49..114, 130..456, 151..438, 158..454, 422..553, 424..552		

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28672	Strand	-
Start	701	End	872

Name	OJ990311_06.0131.C5.o1.tc	Method	TBLASTX:Cress
Start	158	End	405
GI	none	Score	39
Exons	158..184, 190..405, 209..343, 217..402		

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28672	Strand	-
Start	701	End	872
Name	OJ990311_06.0131.C5.o1.ts	Method	TBLASTX:Soybean
Start	186	End	871
GI	none	Score	181
Exons	186..338, 190..423, 200..424, 703..819, 704..847, 734..868,	416..454, 428..460, 703..795, 759..809, 787..870, 788..871	

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28672	Strand	-
Start	701	End	872
Name	OJ990311_06.0131.C5.o2.tc	Method	TBLASTX:Cress
Start	564	End	871
GI	none	Score	82
Exons	564..614, 565..615, 565..642, 688..870, 702..797, 703..819, 788..871	566..622, 616..645, 616..645, 704..847, 734..868, 787..870,	

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28672	Strand	-
Start	701	End	872
Name	OJ990311_06.0131.C5.o4.np	Method	AAT/NAP
Start	701	End	872
GI	3900977	Score	274
Exons	701..872		
GI Descrip.	(X53066) ribosomal protein L2 [Zea mays]		

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28672	Strand	-
Start	701	End	872
Name	OJ990311_06.0131.C5.o1.gs	Method	GENSCAN
Start	706	End	852
GI	none	Score	.53
Exons	706..852		

Seq. No.	13488	Seq. ID	OJ990311_06.0131.C5
Gene No.	28672	Strand	-
Start	701	End	872
Name	OJ990311_06.0131.C5.o2.tm	Method	TBLASTX:Maize
Start	721	End	872
GI	none	Score	162
Exons	721..870, 722..871, 723..872		

Seq. No.	13489	Seq. ID	OJ990311_06.0131.C6
Gene No.	28673	Strand	+
Start	237	End	359
Name	OJ990311_06.0131.C6.o1.gp	Method	AAT/GAP
Start	237	End	359
GI	none	Score	246
Exons	237..359		

Seq. No.	13490	Seq. ID	OJ990311_06.0131.C8
Gene No.	28674	Strand	+
Start	591	End	722
Name	OJ990311_06.0131.C8.o1.gs	Method	GENSCAN
Start	591	End	722
GI	none	Score	.81
Exons	591..722		

Seq. No.	13491	Seq. ID	OJ990311_06.0131.C10
Gene No.	28675	Strand	-
Start	302	End	657
Name	OJ990311_06.0131.C10.o1.gs	Method	GENSCAN
Start	302	End	657
GI	none	Score	.62
Exons	302..419, 592..657		

Seq. No.	13492	Seq. ID	OJ990311_06.0131.C12
Gene No.	28676	Strand	-
Start	148	End	954
Name	OJ990311_06.0131.C12.o1.tw	Method	TBLASTX:Wheat
Start	1	End	295
GI	none	Score	96
Exons	1..93, 2..94, 118..294, 143..295		

Seq. No.	13492	Seq. ID	OJ990311_06.0131.C12
Gene No.	28676	Strand	-
Start	148	End	954
Name	OJ990311_06.0131.C12.o1.tm	Method	TBLASTX:Maize
Start	13	End	591
GI	none	Score	224
Exons	13..66, 113..586, 124..591		

Seq. No.	13492	Seq. ID	OJ990311_06.0131.C12
Gene No.	28676	Strand	-
Start	148	End	954
Name	OJ990311_06.0131.C12.o1.np	Method	AAT/NAP
Start	148	End	954
GI	5441880	Score	799
Exons	148..954		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13493	Seq. ID	OJ990311_06.0131.C13
Gene No.	28677	Strand	-
Start	411	End	3892
Name	OJ990311_06.0131.C13.o1.gs	Method	GENSCAN
Start	411	End	3892
GI	none	Score	.68
Exons	411..549, 853..1157, 1242..1298, 3554..3619, 3671..3892		

Seq. No.	13493	Seq. ID	OJ990311_06.0131.C13
Gene No.	28677	Strand	-
Start	411	End	3892
Name	OJ990311_06.0131.C13.o1.np	Method	AAT/NAP
Start	837	End	1268
GI	4063752	Score	285

Exons	837..1157, 1242..1268		
GI Descrip.	(AC005851) unknown protein [Arabidopsis thaliana]		
Seq. No.	13493	Seq. ID	OJ990311_06.0131.C13
Gene No.	28677	Strand	-
Start	411	End	3892
Name	OJ990311_06.0131.C13.o1.tm	Method	TBLASTX:Maize
Start	850	End	1161
GI	none	Score	362
Exons	850..1161, 855..974, 1032..1157		
Seq. No.	13493	Seq. ID	OJ990311_06.0131.C13
Gene No.	28677	Strand	-
Start	411	End	3892
Name	OJ990311_06.0131.C13.o1.tc	Method	TBLASTX:Cress
Start	852	End	1155
GI	none	Score	84
Exons	852..947, 856..936, 946..984, 951..977, 1027..1155, 1032..1154		
Seq. No.	13493	Seq. ID	OJ990311_06.0131.C13
Gene No.	28677	Strand	-
Start	411	End	3892
Name	OJ990311_06.0131.C13.o1.ts	Method	TBLASTX:Soybean
Start	852	End	1158
GI	none	Score	64
Exons	852..947, 856..936, 936..977, 946..1158, 1032..1151		
Seq. No.	13494	Seq. ID	OJ990311_06.0131.C14
Gene No.	28678	Strand	-
Start	6682	End	7183
Name	OJ990311_06.0131.C14.o1.np	Method	AAT/NAP
Start	6092	End	7063
GI	6069646	Score	263
Exons	6092..7063		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	13494	Seq. ID	OJ990311_06.0131.C14
Gene No.	28678	Strand	-
Start	6682	End	7183
Name	OJ990311_06.0131.C14.o2.gs	Method	GENSCAN
Start	6682	End	7183
GI	none	Score	.47
Exons	6682..6976, 7017..7183		
Seq. No.	13495	Seq. ID	OJ990311_06.0131.C15
Gene No.	28679	Strand	-
Start	1	End	635
Name	OJ990311_06.0131.C15.o1.np	Method	AAT/NAP
Start	1	End	444
GI	3080439	Score	193
Exons	1..75, 245..444		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	13495	Seq. ID	OJ990311_06.0131.C15
Gene No.	28679	Strand	-
Start	1	End	635
Name	OJ990311_06.0131.C15.o1.gp	Method	AAT/GAP
Start	273	End	635
GI	49971_1.R1084	Score	703
Exons	273..635		
GI Descrip.	'3080439/emb|CAA18756.1| 4.0e-23 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	13495	Seq. ID	OJ990311_06.0131.C15
Gene No.	28679	Strand	-
Start	1	End	635
Name	OJ990311_06.0131.C15.o1.gs	Method	GENSCAN
Start	273	End	426
GI	none	Score	.93
Exons	273..426		

Seq. No.	13496	Seq. ID	OJ990311_06.0131.C16
Gene No.	28680	Strand	-
Start	370	End	547
Name	OJ990311_06.0131.C16.o1.gs	Method	GENSCAN
Start	370	End	547
GI	none	Score	.5
Exons	370..547		

Seq. No.	13497	Seq. ID	OJ990311_06.0131.C18
Gene No.	28681	Strand	-
Start	92	End	154
Name	OJ990311_06.0131.C18.o1.gp	Method	AAT/GAP
Start	92	End	154
GI	14916_1.R1084	Score	105
Exons	92..154		
GI Descrip.	'4510381/gb|AAD21469.1| 1.0e-44 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13498	Seq. ID	OJ990311_06.0131.C20
Gene No.	28682	Strand	-
Start	28	End	127
Name	OJ990311_06.0131.C20.o1.gs	Method	GENSCAN
Start	28	End	127
GI	none	Score	.4
Exons	28..127		

Seq. No.	13499	Seq. ID	OJ990311_06.0131.C21
Gene No.	28683	Strand	+
Start	112	End	407
Name	OJ990311_06.0131.C21.o1.gs	Method	GENSCAN
Start	112	End	407
GI	none	Score	.41
Exons	112..407		

Seq. No.	13500	Seq. ID	OJ990311_06.0131.C22
Gene No.	28684	Strand	+
Start	143	End	387
Name	OJ990311_06.0131.C22.o1.np	Method	AAT/NAP
Start	143	End	384

GI	6648159	Score	139
Exons	143..384		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	13500	Seq. ID	OJ990311_06.0131.C22
Gene No.	28684	Strand	+
Start	143	End	387
Name	OJ990311_06.0131.C22.o1.gs	Method	GENSCAN
Start	182	End	387
GI	none	Score	.89
Exons	182..387		

Seq. No.	13500	Seq. ID	OJ990311_06.0131.C22
Gene No.	28685	Strand	-
Start	324	End	582
Name	OJ990311_06.0131.C22.o1.tw	Method	TBLASTX:Wheat
Start	159	End	369
GI	none	Score	56
Exons	159..227, 181..228, 209..277, 219..350, 219..356, 220..369, 220..369, 232..297, 232..282, 234..299		

Seq. No.	13500	Seq. ID	OJ990311_06.0131.C22
Gene No.	28685	Strand	-
Start	324	End	582
Name	OJ990311_06.0131.C22.o1.gp	Method	AAT/GAP
Start	324	End	582
GI	3106760	Score	471
Exons	324..582		

Seq. No.	13501	Seq. ID	OJ990311_06.0131.C24
Gene No.	28686	Strand	-
Start	367	End	669
Name	OJ990311_06.0131.C24.o1.gs	Method	GENSCAN
Start	367	End	669
GI	none	Score	.82
Exons	367..415, 557..669		

Seq. No.	13502	Seq. ID	OJ990311_06.0131.C27
Gene No.	28687	Strand	+
Start	1	End	677
Name	OJ990311_06.0131.C27.o1.gp	Method	AAT/GAP
Start	1	End	88
GI	49971_1.R1084	Score	148
Exons	1..88		
GI Descrip.	'3080439/emb|CAA18756.1| 4.0e-23 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	13502	Seq. ID	OJ990311_06.0131.C27
Gene No.	28687	Strand	+
Start	1	End	677
Name	OJ990311_06.0131.C27.o1.np	Method	AAT/NAP
Start	1	End	677
GI	3080439	Score	110
Exons	1..110, 594..677		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	13502	Seq. ID	OJ990311_06.0131.C27

Gene No.	28687	Strand	+
Start	1	End	677
Name	OJ990311_06.0131.C27.o1.gs	Method	GENSCAN
Start	30	End	84
GI	none	Score	.98
Exons	30..84		

Seq. No.	13503	Seq. ID	OJ990311_06.0131.C29
Gene No.	28688	Strand	+
Start	414	End	645
Name	OJ990311_06.0131.C29.o1.gp	Method	AAT/GAP
Start	414	End	645
GI	uC-osf1M202046h12b1	Score	153
Exons	414..461, 585..645		
GI Descrip.	'3135273 3.0e-46 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		

Seq. No.	13503	Seq. ID	OJ990311_06.0131.C29
Gene No.	28689	Strand	-
Start	389	End	613
Name	OJ990311_06.0131.C29.o1.gs	Method	GENSCAN
Start	389	End	613
GI	none	Score	.58
Exons	389..470, 489..613		

Seq. No.	13504	Seq. ID	OJ990311_06.0131.C31
Gene No.	28690	Strand	-
Start	1	End	667
Name	OJ990311_06.0131.C31.o1.np	Method	AAT/NAP
Start	1	End	667
GI	5091513	Score	903
Exons	1..667		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13504	Seq. ID	OJ990311_06.0131.C31
Gene No.	28690	Strand	-
Start	1	End	667
Name	OJ990311_06.0131.C31.o1.gs	Method	GENSCAN
Start	95	End	598
GI	none	Score	.69
Exons	95..598		

Seq. No.	13505	Seq. ID	OJ990311_06.0131.C32
Gene No.	28691	Strand	-
Start	646	End	945
Name	OJ990311_06.0131.C32.o1.gs	Method	GENSCAN
Start	646	End	945
GI	none	Score	.7
Exons	646..660, 850..945		

Seq. No.	13506	Seq. ID	OJ990311_06.0131.C34
Gene No.	28692	Strand	+
Start	98	End	435
Name	OJ990311_06.0131.C34.o1.tm	Method	TBLASTX:Maize
Start	2	End	435
GI	none	Score	340

Exons	2..226, 2..226, 9..227, 346..435, 360..434		
Seq. No.	13506	Seq. ID	OJ990311_06.0131.C34
Gene No.	28692	Strand	+
Start	98	End	435
Name	OJ990311_06.0131.C34.o1.ts	Method	TBLASTX:Soybean
Start	29	End	432
GI	none	Score	194
Exons	29..226, 32..226, 361..432		
Seq. No.	13506	Seq. ID	OJ990311_06.0131.C34
Gene No.	28692	Strand	+
Start	98	End	435
Name	OJ990311_06.0131.C34.o1.gs	Method	GENSCAN
Start	98	End	226
GI	none	Score	.96
Exons	98..226		
Seq. No.	13507	Seq. ID	OJ990311_06.0131.C35
Gene No.	28693	Strand	-
Start	50	End	307
Name	OJ990311_06.0131.C35.o1.gs	Method	GENSCAN
Start	50	End	307
GI	none	Score	.79
Exons	50..307		
Seq. No.	13508	Seq. ID	OJ990311_06.0131.C36
Gene No.	28694	Strand	+
Start	52	End	737
Name	OJ990311_06.0131.C36.o1.gs	Method	GENSCAN
Start	52	End	737
GI	none	Score	.56
Exons	52..189, 651..737		
Seq. No.	13509	Seq. ID	OJ990311_06.0131.C37
Gene No.	28695	Strand	+
Start	839	End	984
Name	OJ990311_06.0131.C37.o1.gs	Method	GENSCAN
Start	839	End	984
GI	none	Score	.93
Exons	839..984		
Seq. No.	13510	Seq. ID	OJ990311_06.0131.C38
Gene No.	28696	Strand	+
Start	251	End	1797
Name	OJ990311_06.0131.C38.o1.ts	Method	TBLASTX:Soybean
Start	49	End	692
GI	none	Score	127
Exons	49..138, 60..137, 232..345, 248..352, 341..364, 497..574, 609..692, 618..680		
Seq. No.	13510	Seq. ID	OJ990311_06.0131.C38
Gene No.	28696	Strand	+
Start	251	End	1797
Name	OJ990311_06.0131.C38.o1.tc	Method	TBLASTX:Cress
Start	67	End	1124
GI	none	Score	111

Exons 67..138, 69..137, 236..364, 250..363, 496..573, 503..574, 614..682, 615..680, 630..683, 788..871, 789..872, 1059..1124, 1059..1124

Seq. No.	13510	Seq. ID	OJ990311_06.0131.C38
Gene No.	28696	Strand	+
Start	251	End	1797
Name	OJ990311_06.0131.C38.o1.gs	Method	GENSCAN
Start	251	End	1797
GI	none	Score	.97
Exons	251..363, 623..869, 1062..1181, 1721..1797		

Seq. No.	13510	Seq. ID	OJ990311_06.0131.C38
Gene No.	28696	Strand	+
Start	251	End	1797
Name	OJ990311_06.0131.C38.o1.tm	Method	TBLASTX:Maize
Start	476	End	1203
GI	none	Score	45
Exons	476..547, 614..679, 615..680, 618..692, 790..825, 791..826, 792..827, 833..871, 840..881, 843..881, 1056..1196, 1057..1203, 1059..1196, 1090..1197		

Seq. No.	13511	Seq. ID	OJ990311_06.0131.C39
Gene No.	28697	Strand	+
Start	2488	End	2601
Name	OJ990311_06.0131.C39.o2.gp	Method	AAT/GAP
Start	2488	End	2601
GI	27472_1.R1084	Score	197
Exons	2488..2601		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	13511	Seq. ID	OJ990311_06.0131.C39
Gene No.	28698	Strand	-
Start	1503	End	3033
Name	OJ990311_06.0131.C39.o1.gs	Method	GENSCAN
Start	1503	End	2608
GI	none	Score	.77
Exons	1503..1611, 2028..2608		

Seq. No.	13511	Seq. ID	OJ990311_06.0131.C39
Gene No.	28698	Strand	-
Start	1503	End	3033
Name	OJ990311_06.0131.C39.o1.tc	Method	TBLASTX:Cress
Start	1869	End	2587
GI	none	Score	48
Exons	1869..1925, 1873..1926, 2021..2056, 2022..2057, 2054..2080, 2145..2201, 2147..2200, 2204..2299, 2214..2300, 2321..2587, 2367..2513		

Seq. No.	13511	Seq. ID	OJ990311_06.0131.C39
Gene No.	28698	Strand	-
Start	1503	End	3033
Name	OJ990311_06.0131.C39.o1.ts	Method	TBLASTX:Soybean
Start	1869	End	2533
GI	none	Score	248

Exons	1869..1925, 2021..2284, 2022..2285, 2330..2533, 2358..2519		
Seq. No.	13511	Seq. ID	OJ990311_06.0131.C39
Gene No.	28698	Strand	-
Start	1503	End	3033
Name	OJ990311_06.0131.C39.o1.np	Method	AAT/NAP
Start	1872	End	3033
GI	4903006	Score	538
Exons	1872..1923, 2028..2620, 2977..3033		
GI Descrip.	(AB027458) ACE [Arabidopsis thaliana] gi|5903086|gb|AAD55644.1|AC008017_17 (AC008017) ACE [Arabidopsis thaliana]		
Seq. No.	13511	Seq. ID	OJ990311_06.0131.C39
Gene No.	28698	Strand	-
Start	1503	End	3033
Name	OJ990311_06.0131.C39.o1.tm	Method	TBLASTX:Maize
Start	2021	End	2350
GI	none	Score	383
Exons	2021..2350, 2021..2350		
Seq. No.	13511	Seq. ID	OJ990311_06.0131.C39
Gene No.	28698	Strand	-
Start	1503	End	3033
Name	OJ990311_06.0131.C39.o1.gp	Method	AAT/GAP
Start	2029	End	2484
GI	65707_1.R1084	Score	859
Exons	2029..2484		
GI Descrip.	'4903006/dbj|BAA77837.1| 2.0e-33 (AB027458) ACE [Arabidopsis thaliana] >gi_5903086_gb_AAD55644.1_AC008017_17 (AC008017) ACE [Arabidopsis thaliana]'		
Seq. No.	13511	Seq. ID	OJ990311_06.0131.C39
Gene No.	28698	Strand	-
Start	1503	End	3033
Name	OJ990311_06.0131.C39.o2.tm	Method	TBLASTX:Maize
Start	2351	End	2593
GI	none	Score	143
Exons	2351..2593, 2354..2584, 2358..2588		
Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40
Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o1.np	Method	AAT/NAP
Start	1	End	3397
GI	4903018	Score	1051
Exons	1..35, 118..496, 647..960, 2657..2940, 3217..3397		
GI Descrip.	(AB027507) ACE [Arabidopsis thaliana]		
Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40
Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o1.ts	Method	TBLASTX:Soybean
Start	81	End	2761
GI	none	Score	177
Exons	81..515, 114..521, 115..522, 642..959, 664..963, 2656..2760, 2666..2761		

Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40
Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o1.tm	Method	TBLASTX:Maize
Start	88	End	513
GI	none	Score	532
Exons	88..504, 111..512, 115..513		

Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40
Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o1.gp	Method	AAT/GAP
Start	100	End	445
GI	27472_1.R1084	Score	551
Exons	100..445		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40
Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o1.gs	Method	GENSCAN
Start	114	End	11154
GI	none	Score	.78
Exons	114..502, 647..829, 1124..1167, 2657..2970, 3633..3668, 4887..5026, 5147..5202, 5481..5522, 5524..5569, 6241..6320, 6363..6531, 6662..6678, 7107..7297, 7438..7530, 7811..7889, 9376..9511, 10017..10145, 11067..11154		

Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40
Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o1.tc	Method	TBLASTX:Cress
Start	255	End	956
GI	none	Score	75
Exons	255..482, 313..417, 651..956, 667..945		

Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40
Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o2.tm	Method	TBLASTX:Maize
Start	645	End	2988
GI	none	Score	325
Exons	645..962, 646..975, 2665..2796, 2666..2800, 2875..2940, 2876..2941, 2938..2988		

Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40
Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o2.tc	Method	TBLASTX:Cress
Start	2645	End	2934
GI	none	Score	171
Exons	2645..2932, 2656..2934		

Seq. No.	13512	Seq. ID	OJ990311_06.0131.C40

Gene No.	28699	Strand	-
Start	1	End	11154
Name	OJ990311_06.0131.C40.o2.ts	Method	TBLASTX:Soybean
Start	2779	End	2935
GI	none	Score	117
Exons	2779..2934, 2813..2935		

Seq. No.	13513	Seq. ID	OJ990311_06.0131.C41
Gene No.	28700	Strand	
Start	421	End	836
Name	OJ990311_06.0131.C41.o1.tm	Method	TBLASTX:Maize
Start	421	End	836
GI	none	Score	86
Exons	421..474, 422..475, 425..478, 655..795, 690..818, 690..815,	561..620, 562..624, 655..816, 798..836	

Seq. No.	13513	Seq. ID	OJ990311_06.0131.C41
Gene No.	28701	Strand	
Start	1374	End	2329
Name	OJ990311_06.0131.C41.o2.tm	Method	TBLASTX:Maize
Start	1374	End	2329
GI	none	Score	155
Exons	1374..1481, 1375..1488, 1420..1482, 2182..2301, 2183..2329, 2184..2306		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28702	Strand	+
Start	1036	End	3139
Name	OJ990311_06.0131.C42.o1.gs	Method	GENSCAN
Start	1036	End	3139
GI	none	Score	.71
Exons	1036..1240, 1871..2034, 2172..2268, 2755..2900, 3011..3139		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28703	Strand	+
Start	4316	End	7338
Name	OJ990311_06.0131.C42.o2.gs	Method	GENSCAN
Start	4316	End	7338
GI	none	Score	.98
Exons	4316..4500, 5778..6049, 6176..7338		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28704	Strand	+
Start	9320	End	9750
Name	OJ990311_06.0131.C42.o1.np	Method	AAT/NAP
Start	9320	End	9750
GI	132862	Score	637
Exons	9320..9750		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L2 gi|71088|pir||R5RZ2 ribosomal protein L2 - rice chloroplast		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28705	Strand	+
Start	9770	End	9884
Name	OJ990311_06.0131.C42.o2.np	Method	AAT/NAP
Start	9770	End	9884
GI	82538	Score	169

Exons	9770..9884		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi|12028|emb|CAA33936| (X15901) ORF82 [Oryza sativa] gi|12074|emb|CAA33926| (X15901) ORF82 [Oryza sativa] gi|226650|prf||1603356CA ORF 82 [Oryza sativa]		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28706	Strand	-
Start	8307	End	8546
Name	OJ990311_06.0131.C42.o2.tm	Method	TBLASTX:Maize
Start	1032	End	1446
GI	none	Score	336
Exons	1032..1445, 1033..1446, 1033..1443, 1190..1444		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28706	Strand	-
Start	8307	End	8546
Name	OJ990311_06.0131.C42.o3.tm	Method	TBLASTX:Maize
Start	1733	End	2243
GI	none	Score	216
Exons	1733..1855, 1736..1855, 1740..1859, 1857..2030, 1858..2034, 1896..2036, 2154..2243, 2168..2242		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28706	Strand	-
Start	8307	End	8546
Name	OJ990311_06.0131.C42.o2.tc	Method	TBLASTX:Cress
Start	6468	End	6783
GI	none	Score	189
Exons	6468..6686, 6478..6783		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28706	Strand	-
Start	8307	End	8546
Name	OJ990311_06.0131.C42.o2.ts	Method	TBLASTX:Soybean
Start	6504	End	6756
GI	none	Score	183
Exons	6504..6686, 6505..6756		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28706	Strand	-
Start	8307	End	8546
Name	OJ990311_06.0131.C42.o3.gs	Method	GENSCAN
Start	8307	End	8546
GI	none	Score	.65
Exons	8307..8546		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28707	Strand	
Start	8987	End	9884
Name	OJ990311_06.0131.C42.o1.tm	Method	TBLASTX:Maize
Start	8987	End	9730
GI	none	Score	858
Exons	8987..9544, 8990..9559, 9484..9663, 9527..9664, 9527..9730, 9529..9729		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42

Gene No.	28707	Strand	
Start	8987	End	9884
Name	OJ990311_06.0131.C42.o1.ts	Method	TBLASTX:Soybean
Start	8990	End	9801
GI	none	Score	197
Exons	8990..9166, 8991..9167, 8991..9167, 8992..9246, 9169..9210, 9170..9211, 9172..9318, 9205..9303, 9298..9465, 9298..9387, 9299..9487, 9306..9464, 9420..9536, 9436..9486, 9455..9559, 9460..9537, 9484..9663, 9515..9676, 9527..9664, 9529..9717, 9604..9747, 9604..9801, 9632..9748		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28707	Strand	
Start	8987	End	9884
Name	OJ990311_06.0131.C42.o1.tc	Method	TBLASTX:Cress
Start	9239	End	9884
GI	none	Score	305
Exons	9239..9544, 9319..9387, 9324..9521, 9436..9543, 9484..9567, 9527..9562, 9577..9663, 9578..9664, 9581..9676, 9583..9717, 9604..9747, 9642..9692, 9654..9749, 9656..9748, 9806..9832, 9807..9833, 9809..9883, 9829..9882, 9836..9883, 9837..9884		

Seq. No.	13514	Seq. ID	OJ990311_06.0131.C42
Gene No.	28707	Strand	
Start	8987	End	9884
Name	OJ990311_06.0131.C42.o1.tw	Method	TBLASTX:Wheat
Start	9271	End	9578
GI	none	Score	425
Exons	9271..9387, 9272..9544, 9303..9536, 9433..9543, 9484..9576, 9527..9577, 9528..9578		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28708	Strand	+
Start	150	End	866
Name	OJ990311_06.0131.C43.o1.np	Method	AAT/NAP
Start	150	End	866
GI	133936	Score	1165
Exons	150..866		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|70867|pir||R3RZ3 ribosomal protein S3 - rice chloroplast gi|12025|emb|CAA33934| (X15901) ribosomal protein S3 [Oryza sativa] gi|226646|prf||1603356BW ribosomal protein S3 [Oryza sativa]		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28709	Strand	+
Start	2049	End	2988
Name	OJ990311_06.0131.C43.o2.np	Method	AAT/NAP
Start	2049	End	2456
GI	132712	Score	680
Exons	2049..2456		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 gi|71250|pir||R5RZ16 ribosomal protein L16 - rice chloroplast gi|669084|emb|CAA33933| (X15901) ribosomal protein L16 [Oryza sativa] gi|226645|prf||1603356BV ribosomal protein L16 [Oryza sativa]		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28709	Strand	+

Start	2049	End	2988
Name	OJ990311_06.0131.C43.o1.gs	Method	GENSCAN
Start	2097	End	2941
GI	none	Score	.49
Exons	2097..2243, 2585..2941		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28709	Strand	+
Start	2049	End	2988
Name	OJ990311_06.0131.C43.o3.gp	Method	AAT/GAP
Start	2445	End	2988
GI	481_1.R1084	Score	966
Exons	2445..2988		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28709	Strand	+
Start	2049	End	2988
Name	OJ990311_06.0131.C43.o3.np	Method	AAT/NAP
Start	2570	End	2938
GI	132672	Score	599
Exons	2570..2938		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28710	Strand	-
Start	1	End	667
Name	OJ990311_06.0131.C43.o1.gp	Method	AAT/GAP
Start	1	End	667
GI	3073_1.R1084	Score	1257
Exons	1..667		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o3.tw	Method	TBLASTX:Wheat
Start	1	End	459
GI	none	Score	57
Exons	1..45, 2..43, 3..47, 31..66, 33..74, 75..146, 104..367, 127..252, 129..368, 129..368, 166..369, 315..365, 317..358, 360..407, 366..425, 366..407, 366..407, 400..459, 401..457		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988

Name	OJ990311_06.0131.C43.o1.tm	Method	TBLASTX:Maize
Start	2	End	940
GI	none	Score	58
Exons	2..43, 3..44, 39..116, 39..149, 40..126, 40..150, 129..359, 129..365, 166..366, 366..425, 366..407, 399..464, 400..666, 401..694, 518..673, 605..763, 647..940, 648..932		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o1.ts	Method	TBLASTX:Soybean
Start	129	End	2952
GI	none	Score	239
Exons	129..155, 145..240, 150..299, 150..299, 166..300, 400..459, 404..469, 473..688, 484..666, 542..685, 570..704, 648..854, 680..853, 727..954, 2047..2382, 2055..2444, 2058..2192, 2063..2458, 2096..2440, 2558..2629, 2562..2648, 2562..2648, 2569..2649, 2578..2655, 2585..2656, 2638..2832, 2646..2675, 2650..2952, 2651..2941		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o2.tc	Method	TBLASTX:Cress
Start	494	End	1776
GI	none	Score	205
Exons	494..688, 511..666, 539..670, 582..704, 614..757, 648..869, 669..872, 673..909, 727..909, 833..925, 991..1038, 996..1082, 1008..1034, 1157..1219, 1328..1372, 1358..1396, 1368..1394, 1515..1607, 1520..1606, 1521..1610, 1522..1611, 1604..1666, 1604..1648, 1671..1712, 1672..1713, 1685..1705, 1729..1776		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o2.gp	Method	AAT/GAP
Start	683	End	1771
GI	2291_1.R1084	Score	2019
Exons	683..1771		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o2.tm	Method	TBLASTX:Maize
Start	985	End	2800
GI	none	Score	450
Exons	985..1041, 2047..2382, 2055..2474, 2059..2463, 2060..2479, 2419..2490, 2466..2504, 2484..2675, 2485..2754, 2488..2532, 2499..2648, 2569..2754, 2755..2799, 2756..2800, 2756..2800		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-

Start	683	End	2988
Name	OJ990311_06.0131.C43.o1.tw	Method	TBLASTX:Wheat
Start	1011	End	1642
GI	none	Score	35
Exons	1011..1043, 1012..1044, 1075..1245, 1085..1228, 1085..1255, 1089..1322, 1203..1316, 1324..1377, 1329..1436, 1334..1429, 1430..1516, 1431..1517, 1433..1507, 1484..1642, 1484..1642		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o3.tm	Method	TBLASTX:Maize
Start	1078	End	1409
GI	none	Score	70
Exons	1078..1239, 1085..1243, 1086..1145, 1089..1370, 1100..1228, 1200..1370, 1273..1371, 1328..1375, 1334..1375, 1340..1408, 1365..1409, 1368..1400		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o4.tm	Method	TBLASTX:Maize
Start	1442	End	1779
GI	none	Score	41
Exons	1442..1510, 1461..1670, 1472..1498, 1516..1671, 1517..1669, 1667..1753, 1668..1751, 1669..1779, 1669..1752		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o5.tw	Method	TBLASTX:Wheat
Start	1716	End	2112
GI	none	Score	56
Exons	1716..1748, 1717..1818, 1718..1753, 1787..1867, 1794..1856, 1852..1899, 1857..1922, 1898..1921, 1900..1923, 1907..2032, 1937..2041, 1942..2067, 1942..2037, 2037..2111, 2037..2111, 2038..2112		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o1.tc	Method	TBLASTX:Cress
Start	2047	End	2527
GI	none	Score	302
Exons	2047..2364, 2055..2375, 2061..2360, 2099..2374, 2355..2420, 2495..2527		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o2.tw	Method	TBLASTX:Wheat
Start	2144	End	2535
GI	none	Score	517
Exons	2144..2455, 2145..2528, 2145..2492, 2212..2493, 2478..2534, 2479..2532, 2482..2535, 2484..2534		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43

Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o3.tc	Method	TBLASTX:Cress
Start	2562	End	2979
GI	none	Score	84
Exons	2562..2648, 2564..2629, 2569..2649, 2578..2655, 2585..2656, 2643..2675, 2650..2742, 2651..2743, 2743..2979, 2744..2947		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o4.tw	Method	TBLASTX:Wheat
Start	2689	End	2967
GI	none	Score	398
Exons	2689..2967, 2690..2950, 2692..2967		

Seq. No.	13515	Seq. ID	OJ990311_06.0131.C43
Gene No.	28711	Strand	-
Start	683	End	2988
Name	OJ990311_06.0131.C43.o5.tm	Method	TBLASTX:Maize
Start	2841	End	2988
GI	none	Score	78
Exons	2841..2903, 2842..2985, 2843..2953, 2866..2988		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28712	Strand	+
Start	1	End	436
Name	OJ990311_06.0131.C44.o1.gp	Method	AAT/GAP
Start	1	End	436
GI	481_1.R1084	Score	812
Exons	1..436		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28712	Strand	+
Start	1	End	436
Name	OJ990311_06.0131.C44.o1.gs	Method	GENSCAN
Start	7	End	378
GI	none	Score	.96
Exons	7..378		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28712	Strand	+
Start	1	End	436
Name	OJ990311_06.0131.C44.o1.np	Method	AAT/NAP
Start	7	End	375
GI	132672	Score	592
Exons	7..375		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28713	Strand	+
Start	569	End	928
Name	OJ990311_06.0131.C44.o2.np	Method	AAT/NAP
Start	518	End	925
GI	134022	Score	673
Exons	518..925		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S8 gi|70914|pir||R3RZ8 ribosomal protein S8 - rice chloroplast gi|12022|emb|CAA33931| (X15901) ribosomal protein S8 [Oryza sativa] gi|226643|prf||1603356BT ribosomal protein S8 [Oryza sativa]		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28713	Strand	+
Start	569	End	928
Name	OJ990311_06.0131.C44.o2.gs	Method	GENSCAN
Start	569	End	928
GI	none	Score	.73
Exons	569..928		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28714	Strand	-
Start	623	End	1062
Name	OJ990311_06.0131.C44.o1.ts	Method	TBLASTX:Soybean
Start	1	End	931
GI	none	Score	119
Exons	1..93, 1..66, 2..85, 6..92, 75..269, 83..112, 87..389, 88..378, 375..437, 455..490, 481..702, 517..708, 518..724, 697..924, 715..930, 719..931		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28714	Strand	-
Start	623	End	1062
Name	OJ990311_06.0131.C44.o2.tc	Method	TBLASTX:Cress
Start	1	End	385
GI	none	Score	123
Exons	1..93, 1..66, 6..92, 75..179, 80..112, 87..179, 88..180, 180..377, 181..384, 185..385		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28714	Strand	-
Start	623	End	1062
Name	OJ990311_06.0131.C44.o2.tm	Method	TBLASTX:Maize
Start	2	End	237
GI	none	Score	294
Exons	2..112, 3..191, 3..191, 192..236, 193..237, 193..237		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28714	Strand	-
Start	623	End	1062
Name	OJ990311_06.0131.C44.o2.tw	Method	TBLASTX:Wheat
Start	126	End	490
GI	none	Score	398
Exons	126..404, 127..387, 129..404, 413..469, 413..481, 415..474, 455..490, 455..490		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44

Gene No.	28714	Strand	-
Start	623	End	1062
Name	OJ990311_06.0131.C44.o1.tm	Method	TBLASTX:Maize
Start	278	End	1062
GI	none	Score	78
Exons	278..340, 279..437, 280..924, 296..928, 412..942, 413..934, 861..944, 961..1014, 963..1013, 976..1017, 1028..1060, 1030..1062		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28714	Strand	-
Start	623	End	1062
Name	OJ990311_06.0131.C44.o1.tc	Method	TBLASTX:Cress
Start	411	End	931
GI	none	Score	36
Exons	411..449, 452..493, 508..702, 509..697, 515..724, 517..711, 719..931, 727..930		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28714	Strand	-
Start	623	End	1062
Name	OJ990311_06.0131.C44.o1.tw	Method	TBLASTX:Wheat
Start	569	End	1017
GI	none	Score	598
Exons	569..937, 570..839, 571..942, 864..944, 891..947, 945..965, 963..1013, 966..1013, 967..1014, 976..1017		

Seq. No.	13516	Seq. ID	OJ990311_06.0131.C44
Gene No.	28714	Strand	-
Start	623	End	1062
Name	OJ990311_06.0131.C44.o2.gp	Method	AAT/GAP
Start	623	End	1031
GI	uC-osflcyp086h07a1	Score	766
Exons	623..1031		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	13517	Seq. ID	OJ990311_06.0131.C45
Gene No.	28715	Strand	-
Start	248	End	1517
Name	OJ990311_06.0131.C45.o1.gs	Method	GENSCAN
Start	248	End	1517
GI	none	Score	.77
Exons	248..389, 481..590, 668..822, 1298..1517		

Seq. No.	13518	Seq. ID	OJ990311_06.0131.C48
Gene No.	28716	Strand	+
Start	82	End	450
Name	OJ990311_06.0131.C48.o1.gs	Method	GENSCAN
Start	82	End	450
GI	none	Score	.64
Exons	82..450		

Seq. No.	13518	Seq. ID	OJ990311_06.0131.C48
Gene No.	28717	Strand	-
Start	1	End	1886
Name	OJ990311_06.0131.C48.o1.np	Method	AAT/NAP

Start	1	End	1886
GI	1438532	Score	41
Exons	1..146, 273..368, 1826..1886		
GI Descrip.	(U49056) rA1 [Rattus norvegicus]		

Seq. No.	13518	Seq. ID	OJ990311_06.0131.C48
Gene No.	28717	Strand	-
Start	1	End	1886
Name	OJ990311_06.0131.C48.o2.gs	Method	GENSCAN
Start	1568	End	1756
GI	none	Score	.79
Exons	1568..1756		

Seq. No.	13519	Seq. ID	OJ990311_06.0131.C49
Gene No.	28718	Strand	+
Start	1	End	1675
Name	OJ990311_06.0131.C49.o1.np	Method	AAT/NAP
Start	1	End	1675
GI	4539440	Score	811
Exons	1..326, 1010..1177, 1274..1675		
GI Descrip.	(AL049523) putative protein [Arabidopsis thaliana]		

Seq. No.	13519	Seq. ID	OJ990311_06.0131.C49
Gene No.	28718	Strand	+
Start	1	End	1675
Name	OJ990311_06.0131.C49.o1.gs	Method	GENSCAN
Start	133	End	1663
GI	none	Score	.8
Exons	133..302, 1010..1177, 1274..1663		

Seq. No.	13519	Seq. ID	OJ990311_06.0131.C49
Gene No.	28718	Strand	+
Start	1	End	1675
Name	OJ990311_06.0131.C49.o1.tm	Method	TBLASTX:Maize
Start	1015	End	1390
GI	none	Score	218
Exons	1015..1161, 1016..1171, 1019..1159, 1024..1161, 1268..1390, 1270..1389		

Seq. No.	13519	Seq. ID	OJ990311_06.0131.C49
Gene No.	28718	Strand	+
Start	1	End	1675
Name	OJ990311_06.0131.C49.o1.tc	Method	TBLASTX:Cress
Start	1112	End	1537
GI	none	Score	64
Exons	1112..1177, 1120..1167, 1264..1524, 1268..1537		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28719	Strand	+
Start	62	End	259
Name	OJ990311_06.0131.C50.o1.gs	Method	GENSCAN
Start	62	End	259
GI	none	Score	.71
Exons	62..259		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28720	Strand	+

Start	9091	End	10024
Name	OJ990311_06.0131.C50.o1.gp	Method	AAT/GAP
Start	9091	End	10024
GI	72524_1.R1084	Score	360
Exons	9091..9374, 10004..10024		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28721	Strand	+
Start	11178	End	16602
Name	OJ990311_06.0131.C50.o3.gs	Method	GENSCAN
Start	11178	End	16602
GI	none	Score	.48
Exons	11178..11341, 11426..11502, 11706..11820, 12610..13747, 14020..14308, 14413..14543, 15468..15624, 15713..16005, 16275..16364, 16519..16602		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28721	Strand	+
Start	11178	End	16602
Name	OJ990311_06.0131.C50.o3.np	Method	AAT/NAP
Start	11206	End	16358
GI	5123569	Score	1240
Exons	11206..11356, 12672..12899, 12960..13300, 13512..13747, 13981..14308, 14413..14543, 14972..15322, 15468..15624, 15713..16005, 16112..16172, 16264..16358		
GI Descrip.	(AL079344) putative protein [Arabidopsis thaliana]		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28722	Strand	-
Start	4478	End	11497
Name	OJ990311_06.0131.C50.o1.np	Method	AAT/NAP
Start	4478	End	10631
GI	5091513	Score	1695
Exons	4478..4524, 6164..6935, 7768..8630, 10590..10631		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28722	Strand	-
Start	4478	End	11497
Name	OJ990311_06.0131.C50.o2.np	Method	AAT/NAP
Start	5869	End	11497
GI	1168470	Score	97
Exons	5869..5941, 8209..8351, 11248..11497		
GI Descrip.	PROTEIN KINASE APK1A gi|282877|pir||S28615 protein kinase, tyrosine/serine/threonine-specific (EC 2.7.1.-) - Arabidopsis thaliana gi|217829|dbj|BAA02092| (D12522) protein tyrosine-serine-threonine kinase [Arabidopsis thaliana]		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28723	Strand	
Start	13511	End	14325
Name	OJ990311_06.0131.C50.o2.tm	Method	TBLASTX:Maize
Start	13511	End	14325
GI	none	Score	67
Exons	13511..13669, 14091..14312, 14092..14325		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28724	Strand	
Start	14954	End	16177
Name	OJ990311_06.0131.C50.o1.tm	Method	TBLASTX:Maize
Start	14954	End	16026
GI	none	Score	37
Exons	14954..14986, 14990..15082, 15516..15653, 15711..15995, 15712..16026		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28724	Strand	
Start	14954	End	16177
Name	OJ990311_06.0131.C50.o1.tc	Method	TBLASTX:Cress
Start	14983	End	16177
GI	none	Score	106
Exons	14983..15111, 14984..15121, 15077..15331, 15178..15222, 15468..15635, 15711..15989, 15712..16011, 16115..16177		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28724	Strand	
Start	14954	End	16177
Name	OJ990311_06.0131.C50.o1.ts	Method	TBLASTX:Soybean
Start	15179	End	16031
GI	none	Score	83
Exons	15179..15316, 15467..15640, 15468..15653, 15698..16006, 15711..15995, 15712..16011, 15712..16005, 15717..16031		

Seq. No.	13520	Seq. ID	OJ990311_06.0131.C50
Gene No.	28724	Strand	
Start	14954	End	16177
Name	OJ990311_06.0131.C50.o1.tw	Method	TBLASTX:Wheat
Start	15213	End	15884
GI	none	Score	134
Exons	15213..15290, 15218..15322, 15221..15322, 15462..15626, 15471..15623, 15547..15642, 15711..15884, 15712..15882, 15723..15884		

Seq. No.	13521	Seq. ID	OJ990311_06.0131.C51
Gene No.	28725	Strand	+
Start	100	End	2834
Name	OJ990311_06.0131.C51.o1.gs	Method	GENSCAN
Start	100	End	2809
GI	none	Score	.86
Exons	100..183, 1487..1561, 1820..2025, 2157..2809		

Seq. No.	13521	Seq. ID	OJ990311_06.0131.C51
Gene No.	28725	Strand	+
Start	100	End	2834
Name	OJ990311_06.0131.C51.o1.gp	Method	AAT/GAP
Start	1013	End	1113
GI	none	Score	169
Exons	1013..1113		

Seq. No.	13521	Seq. ID	OJ990311_06.0131.C51
Gene No.	28725	Strand	+
Start	100	End	2834

Name	OJ990311_06.0131.C51.o1.np	Method	AAT/NAP
Start	2289	End	2834
GI	5441880	Score	654
Exons	2289..2834		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13522	Seq. ID	OJ990311_06.0131.C54
Gene No.	28726	Strand	+
Start	1	End	318
Name	OJ990311_06.0131.C54.o1.np	Method	AAT/NAP
Start	1	End	296
GI	6648159	Score	108
Exons	1..33, 128..296		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	13522	Seq. ID	OJ990311_06.0131.C54
Gene No.	28726	Strand	+
Start	1	End	318
Name	OJ990311_06.0131.C54.o1.gp	Method	AAT/GAP
Start	81	End	318
GI	none	Score	415
Exons	81..318		

Seq. No.	13522	Seq. ID	OJ990311_06.0131.C54
Gene No.	28726	Strand	+
Start	1	End	318
Name	OJ990311_06.0131.C54.o1.tm	Method	TBLASTX:Maize
Start	82	End	305
GI	none	Score	206
Exons	82..303, 82..303, 87..305		

Seq. No.	13522	Seq. ID	OJ990311_06.0131.C54
Gene No.	28726	Strand	+
Start	1	End	318
Name	OJ990311_06.0131.C54.o1.tw	Method	TBLASTX:Wheat
Start	129	End	317
GI	none	Score	229
Exons	129..308, 129..317, 144..209		

Seq. No.	13522	Seq. ID	OJ990311_06.0131.C54
Gene No.	28726	Strand	+
Start	1	End	318
Name	OJ990311_06.0131.C54.o1.gs	Method	GENSCAN
Start	132	End	318
GI	none	Score	.91
Exons	132..318		

Seq. No.	13523	Seq. ID	OJ990311_06.0131.C55
Gene No.	28727	Strand	+
Start	394	End	3943
Name	OJ990311_06.0131.C55.o1.np	Method	AAT/NAP
Start	394	End	3687
GI	4191773	Score	593
Exons	394..619, 719..817, 913..989, 1236..1281, 1405..1465, 1634..1687, 1857..1941, 2048..2083, 2391..2497, 2583..2693,		

	3601..3687		
GI Descrip.	(AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]		
Seq. No.	13523	Seq. ID	OJ990311_06.0131.C55
Gene No.	28727	Strand	+
Start	394	End	3943
Name	OJ990311_06.0131.C55.o1.gp	Method	AAT/GAP
Start	698	End	2084
GI	uC-osf1M202046h12b1	Score	828
Exons	698..817, 913..989, 1236..1281, 1405..1465, 1634..1687, 1857..1937, 2044..2084		
GI Descrip.	'3135273 3.0e-46 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		
Seq. No.	13523	Seq. ID	OJ990311_06.0131.C55
Gene No.	28727	Strand	+
Start	394	End	3943
Name	OJ990311_06.0131.C55.o2.gs	Method	GENSCAN
Start	1875	End	3696
GI	none	Score	.92
Exons	1875..1937, 2044..2083, 2391..2497, 2583..2693, 3374..3490, 3601..3696		
Seq. No.	13523	Seq. ID	OJ990311_06.0131.C55
Gene No.	28727	Strand	+
Start	394	End	3943
Name	OJ990311_06.0131.C55.o2.gp	Method	AAT/GAP
Start	2580	End	3943
GI	57414_1.R1084	Score	1078
Exons	2580..2693, 3374..3490, 3601..3943		
GI Descrip.	'3135273 1.0e-10 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		
Seq. No.	13523	Seq. ID	OJ990311_06.0131.C55
Gene No.	28728	Strand	-
Start	282	End	1529
Name	OJ990311_06.0131.C55.o1.gs	Method	GENSCAN
Start	282	End	1529
GI	none	Score	.75
Exons	282..992, 1257..1433, 1494..1529		
Seq. No.	13523	Seq. ID	OJ990311_06.0131.C55
Gene No.	28729	Strand	-
Start	4886	End	5271
Name	OJ990311_06.0131.C55.o2.tm	Method	TBLASTX:Maize
Start	610	End	993
GI	none	Score	71
Exons	610..759, 702..815, 704..790, 704..817, 711..815, 909..989, 911..988, 949..993, 950..991		
Seq. No.	13523	Seq. ID	OJ990311_06.0131.C55
Gene No.	28729	Strand	-
Start	4886	End	5271
Name	OJ990311_06.0131.C55.o1.tm	Method	TBLASTX:Maize
Start	2655	End	3710

GI	none	Score	65
Exons	2655..2696, 3364..3489, 3371..3493, 3374..3493, 3600..3686, 3600..3710, 3601..3696, 3617..3697		

Seq. No.	13523	Seq. ID	OJ990311_06.0131.C55
Gene No.	28729	Strand	-
Start	4886	End	5271
Name	OJ990311_06.0131.C55.o3.gp	Method	AAT/GAP
Start	4886	End	5271
GI	none	Score	723
Exons	4886..5271		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28730	Strand	+
Start	4906	End	5449
Name	OJ990311_06.0131.C56.o3.gs	Method	GENSCAN
Start	4906	End	5449
GI	none	Score	.72
Exons	4906..4916, 5200..5449		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28731	Strand	-
Start	1	End	3103
Name	OJ990311_06.0131.C56.o1.gp	Method	AAT/GAP
Start	1	End	1495
GI	58733_1.R1084	Score	1636
Exons	1..419, 1017..1495		
GI Descrip.	'4415936/gb|AAD20166| 9.0e-17 (AC006418) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28731	Strand	-
Start	1	End	3103
Name	OJ990311_06.0131.C56.o2.np	Method	AAT/NAP
Start	1	End	1918
GI	4415936	Score	297
Exons	1..351, 1054..1414, 1535..1918		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28731	Strand	-
Start	1	End	3103
Name	OJ990311_06.0131.C56.o1.gs	Method	GENSCAN
Start	11	End	1918
GI	none	Score	.75
Exons	11..419, 1017..1918		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28731	Strand	-
Start	1	End	3103
Name	OJ990311_06.0131.C56.o2.gp	Method	AAT/GAP
Start	1627	End	2803
GI	none	Score	1060
Exons	1627..1943, 2571..2803		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28731	Strand	-

Start	1	End	3103
Name	OJ990311_06.0131.C56.o2.gs	Method	GENSCAN
Start	2614	End	3103
GI	none	Score	.98
Exons	2614..2736, 2996..3103		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28732	Strand	-
Start	6419	End	6800
Name	OJ990311_06.0131.C56.o1.tm	Method	TBLASTX:Maize
Start	2	End	1416
GI	none	Score	287
Exons	2..133, 95..442, 125..406, 133..420, 1025..1084, 1038..1082, 1038..1139, 1046..1141, 1077..1142, 1138..1194, 1138..1170, 1148..1213, 1149..1214, 1199..1414, 1203..1412, 1204..1416, 1246..1413		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28732	Strand	-
Start	6419	End	6800
Name	OJ990311_06.0131.C56.o2.tm	Method	TBLASTX:Maize
Start	1523	End	1899
GI	none	Score	46
Exons	1523..1555, 1524..1574, 1533..1865, 1556..1876, 1556..1876, 1620..1898, 1621..1899		

Seq. No.	13524	Seq. ID	OJ990311_06.0131.C56
Gene No.	28732	Strand	-
Start	6419	End	6800
Name	OJ990311_06.0131.C56.o4.gs	Method	GENSCAN
Start	6419	End	6800
GI	none	Score	.78
Exons	6419..6532, 6747..6800		

Seq. No.	13525	Seq. ID	OJ990311_06.0131.C57
Gene No.	28733	Strand	-
Start	369	End	5017
Name	OJ990311_06.0131.C57.o1.gs	Method	GENSCAN
Start	369	End	4817
GI	none	Score	.5
Exons	369..712, 1705..1800, 1901..2008, 2092..2217, 2469..2597, 2724..2859, 3049..3146, 3784..3919, 4126..4267, 4381..4817		

Seq. No.	13525	Seq. ID	OJ990311_06.0131.C57
Gene No.	28733	Strand	-
Start	369	End	5017
Name	OJ990311_06.0131.C57.o1.np	Method	AAT/NAP
Start	3304	End	5017
GI	4539363	Score	127
Exons	3304..3362, 4496..4751, 4994..5017		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	13526	Seq. ID	OJ990311_06.0131.C58
Gene No.	28734	Strand	+
Start	2936	End	5412
Name	OJ990311_06.0131.C58.o2.gs	Method	GENSCAN
Start	2936	End	5412

GI	none	Score	.65
Exons	2936..3045, 3877..4002, 4743..5412		

Seq. No.	13526	Seq. ID	OJ990311_06.0131.C58
Gene No.	28735	Strand	-
Start	1	End	7053
Name	OJ990311_06.0131.C58.o1.np	Method	AAT/NAP
Start	1	End	7053
GI	5441880	Score	401
Exons	1..90, 2267..2359, 2960..3046, 6495..6737, 6996..7053		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13526	Seq. ID	OJ990311_06.0131.C58
Gene No.	28735	Strand	-
Start	1	End	7053
Name	OJ990311_06.0131.C58.o1.gs	Method	GENSCAN
Start	951	End	2155
GI	none	Score	.53
Exons	951..1063, 1459..1683, 1747..2155		

Seq. No.	13526	Seq. ID	OJ990311_06.0131.C58
Gene No.	28735	Strand	-
Start	1	End	7053
Name	OJ990311_06.0131.C58.o1.gp	Method	AAT/GAP
Start	3218	End	3328
GI	uC-osf1cyp088b12b1	Score	159
Exons	3218..3328		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	13527	Seq. ID	OJ990311_06.0131.C60
Gene No.	28736	Strand	-
Start	1	End	1262
Name	OJ990311_06.0131.C60.o1.np	Method	AAT/NAP
Start	1	End	1262
GI	3461835	Score	103
Exons	1..105, 1058..1262		
GI Descrip.	(AC005315) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	13527	Seq. ID	OJ990311_06.0131.C60
Gene No.	28736	Strand	-
Start	1	End	1262
Name	OJ990311_06.0131.C60.o1.gs	Method	GENSCAN
Start	489	End	1243
GI	none	Score	.47
Exons	489..565, 893..1130, 1162..1243		

Seq. No.	13528	Seq. ID	OJ990311_06.0131.C62
Gene No.	28737	Strand	+
Start	497	End	632
Name	OJ990311_06.0131.C62.o1.gp	Method	AAT/GAP
Start	497	End	632
GI	none	Score	174
Exons	497..632		

Seq. No.	13529	Seq. ID	OJ990311_06.0131.C63
Gene No.	28738	Strand	+
Start	1	End	238
Name	OJ990311_06.0131.C63.o1.np	Method	AAT/NAP
Start	1	End	238
GI	5441880	Score	60
Exons	1..54, 131..238		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13529	Seq. ID	OJ990311_06.0131.C63
Gene No.	28739	Strand	+
Start	160	End	426
Name	OJ990311_06.0131.C63.o1.gs	Method	GENSCAN
Start	160	End	426
GI	none	Score	.5
Exons	160..426		

Seq. No.	13530	Seq. ID	OJ990311_06.0131.C64
Gene No.	28740	Strand	-
Start	243	End	1378
Name	OJ990311_06.0131.C64.o1.gp	Method	AAT/GAP
Start	243	End	923
GI	none	Score	1271
Exons	243..923		

Seq. No.	13530	Seq. ID	OJ990311_06.0131.C64
Gene No.	28740	Strand	-
Start	243	End	1378
Name	OJ990311_06.0131.C64.o1.tm	Method	TBLASTX:Maize
Start	725	End	1257
GI	none	Score	62
Exons	725..790, 738..803, 739..945, 838..948, 916..1257, 940..1221, 948..1235		

Seq. No.	13530	Seq. ID	OJ990311_06.0131.C64
Gene No.	28740	Strand	-
Start	243	End	1378
Name	OJ990311_06.0131.C64.o1.np	Method	AAT/NAP
Start	740	End	1378
GI	4415936	Score	245
Exons	740..1193, 1342..1378		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	13531	Seq. ID	OJ990311_06.0131.C65
Gene No.	28741	Strand	+
Start	184	End	263
Name	OJ990311_06.0131.C65.o1.gp	Method	AAT/GAP
Start	184	End	263
GI	LIB3431-010-P1-N1-F11	Score	141
Exons	184..263		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	13532	Seq. ID	OJ990311_06.0131.C67
Gene No.	28742	Strand	+

Start	597	End	655
Name	OJ990311_06.0131.C67.o1.gs	Method	GENSCAN
Start	597	End	655
GI	none	Score	.64
Exons	597..655		

Seq. No.	13532	Seq. ID	OJ990311_06.0131.C67
Gene No.	28743	Strand	-
Start	266	End	668
Name	OJ990311_06.0131.C67.o1.np	Method	AAT/NAP
Start	266	End	668
GI	2244807	Score	114
Exons	266..668		
GI Descrip.	(Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13533	Seq. ID	OJ990311_06.0131.C68
Gene No.	28744	Strand	+
Start	1	End	1907
Name	OJ990311_06.0131.C68.o1.np	Method	AAT/NAP
Start	1	End	1879
GI	3668088	Score	896
Exons	1..523, 1291..1498, 1607..1879		
GI Descrip.	(AC004667) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	13533	Seq. ID	OJ990311_06.0131.C68
Gene No.	28744	Strand	+
Start	1	End	1907
Name	OJ990311_06.0131.C68.o1.tw	Method	TBLASTX:Wheat
Start	87	End	506
GI	none	Score	52
Exons	87..131, 132..221, 222..434, 224..412, 408..506, 410..493		

Seq. No.	13533	Seq. ID	OJ990311_06.0131.C68
Gene No.	28744	Strand	+
Start	1	End	1907
Name	OJ990311_06.0131.C68.o1.tm	Method	TBLASTX:Maize
Start	436	End	1811
GI	none	Score	122
Exons	436..546, 437..547, 438..524, 1285..1497, 1286..1513, 1286..1513, 1287..1514, 1287..1523, 1615..1749, 1624..1785, 1625..1798, 1629..1811		

Seq. No.	13533	Seq. ID	OJ990311_06.0131.C68
Gene No.	28744	Strand	+
Start	1	End	1907
Name	OJ990311_06.0131.C68.o1.ts	Method	TBLASTX:Soybean
Start	1624	End	1907
GI	none	Score	262
Exons	1624..1785, 1625..1849, 1637..1837, 1784..1897, 1818..1907		

Seq. No.	13534	Seq. ID	OJ990311_06.0131.C69
Gene No.	28745	Strand	-
Start	1	End	583
Name	OJ990311_06.0131.C69.o1.np	Method	AAT/NAP
Start	1	End	583
GI	3461835	Score	117

Exons	1..36, 401..583		
GI Descrip.	(AC005315) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	13535	Seq. ID	OJ990311_06.0131.C72
Gene No.	28746	Strand	+
Start	301	End	902
Name	OJ990311_06.0131.C72.o1.np	Method	AAT/NAP
Start	301	End	739
GI	6714314	Score	288
Exons	301..739		
GI Descrip.	(AC016972) putative isoprenylated protein [Arabidopsis thaliana]		
Seq. No.	13535	Seq. ID	OJ990311_06.0131.C72
Gene No.	28746	Strand	+
Start	301	End	902
Name	OJ990311_06.0131.C72.o1.gs	Method	GENSCAN
Start	416	End	742
GI	none	Score	.71
Exons	416..742		
Seq. No.	13535	Seq. ID	OJ990311_06.0131.C72
Gene No.	28746	Strand	+
Start	301	End	902
Name	OJ990311_06.0131.C72.o1.tc	Method	TBLASTX:Cress
Start	424	End	772
GI	none	Score	80
Exons	424..507, 425..511, 497..631, 517..567, 682..741, 683..772		
Seq. No.	13535	Seq. ID	OJ990311_06.0131.C72
Gene No.	28746	Strand	+
Start	301	End	902
Name	OJ990311_06.0131.C72.o1.ts	Method	TBLASTX:Soybean
Start	424	End	742
GI	none	Score	78
Exons	424..507, 425..511, 497..631, 517..567, 653..742, 689..742		
Seq. No.	13535	Seq. ID	OJ990311_06.0131.C72
Gene No.	28746	Strand	+
Start	301	End	902
Name	OJ990311_06.0131.C72.o1.tm	Method	TBLASTX:Maize
Start	424	End	742
GI	none	Score	234
Exons	424..558, 425..640, 679..741, 680..742, 698..742		
Seq. No.	13535	Seq. ID	OJ990311_06.0131.C72
Gene No.	28746	Strand	+
Start	301	End	902
Name	OJ990311_06.0131.C72.o1.gp	Method	AAT/GAP
Start	426	End	902
GI	49971_1.R1084	Score	888
Exons	426..902		
GI Descrip.	'3080439/emb|CAA18756.1| 4.0e-23 (AL022605) putative protein [Arabidopsis thaliana]'		
Seq. No.	13536	Seq. ID	OJ990311_06.0131.C73
Gene No.	28747	Strand	-
Start	1	End	880

Name	OJ990311_06.0131.C73.o1.np	Method	AAT/NAP
Start	1	End	880
GI	5091513	Score	1213
Exons	1..880		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13536	Seq. ID	OJ990311_06.0131.C73
Gene No.	28747	Strand	-
Start	1	End	880
Name	OJ990311_06.0131.C73.o1.gs	Method	GENSCAN
Start	88	End	810
GI	none	Score	.89
Exons	88..810		

Seq. No.	13537	Seq. ID	OJ990311_06.0131.C74
Gene No.	28748	Strand	-
Start	223	End	635
Name	OJ990311_06.0131.C74.o1.gs	Method	GENSCAN
Start	223	End	635
GI	none	Score	.7
Exons	223..295, 546..635		

Seq. No.	13538	Seq. ID	OJ990721_04.0103.C1
Gene No.	28749	Strand	-
Start	1	End	2417
Name	OJ990721_04.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	2411
GI	6002712	Score	361
Exons	1..56, 919..1152, 1303..1442, 1470..1734, 2337..2411		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	13538	Seq. ID	OJ990721_04.0103.C1
Gene No.	28749	Strand	-
Start	1	End	2417
Name	OJ990721_04.0103.C1.o1.gs	Method	GENSCAN
Start	919	End	2417
GI	none	Score	.74
Exons	919..1191, 1324..1734, 2283..2417		

Seq. No.	13538	Seq. ID	OJ990721_04.0103.C1
Gene No.	28749	Strand	-
Start	1	End	2417
Name	OJ990721_04.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	1324	End	2411
GI	none	Score	43
Exons	1324..1431, 1379..1432, 1426..1557, 1427..1558, 1555..1731, 1586..1714, 2336..2389, 2337..2411		

Seq. No.	13539	Seq. ID	OJ990721_04.0103.C2
Gene No.	28750	Strand	+
Start	1	End	2772
Name	OJ990721_04.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	1619
GI	4557066	Score	69
Exons	1..29, 1154..1350, 1503..1619		
GI Descrip.	(AC007045) putative retroelement gag/pol polyprotein		

[Arabidopsis thaliana]

Seq. No.	13539	Seq. ID	OJ990721_04.0103.C2
Gene No.	28750	Strand	+
Start	1	End	2772
Name	OJ990721_04.0103.C2.o1.gs	Method	GENSCAN
Start	141	End	2772
GI	none	Score	.69
Exons	141..163, 183..234, 980..1418, 1523..1638, 2599..2772		

Seq. No.	13539	Seq. ID	OJ990721_04.0103.C2
Gene No.	28751	Strand	+
Start	3644	End	3913
Name	OJ990721_04.0103.C2.o2.gs	Method	GENSCAN
Start	3644	End	3913
GI	none	Score	.73
Exons	3644..3913		

Seq. No.	13539	Seq. ID	OJ990721_04.0103.C2
Gene No.	28752	Strand	-
Start	6905	End	7041
Name	OJ990721_04.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	1355	End	1623
GI	none	Score	205
Exons	1355..1501, 1360..1494, 1507..1623, 1515..1619		

Seq. No.	13539	Seq. ID	OJ990721_04.0103.C2
Gene No.	28752	Strand	-
Start	6905	End	7041
Name	OJ990721_04.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	1415	End	1664
GI	none	Score	110
Exons	1415..1495, 1417..1503, 1507..1617, 1510..1623, 1515..1664		

Seq. No.	13539	Seq. ID	OJ990721_04.0103.C2
Gene No.	28752	Strand	-
Start	6905	End	7041
Name	OJ990721_04.0103.C2.o3.gs	Method	GENSCAN
Start	6905	End	7041
GI	none	Score	.88
Exons	6905..7041		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28753	Strand	+
Start	8194	End	9127
Name	OJ990721_04.0103.C3.o2.gs	Method	GENSCAN
Start	8194	End	9127
GI	none	Score	.98
Exons	8194..8307, 8774..9127		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28754	Strand	+
Start	10132	End	14530
Name	OJ990721_04.0103.C3.o3.gs	Method	GENSCAN
Start	10132	End	14530
GI	none	Score	.64
Exons	10132..10208, 10352..10445, 10523..10984, 11064..11694,		

11710..11896, 12228..12520, 12899..12990, 13257..13300,
13453..13541, 14178..14530

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28755	Strand	-
Start	4545	End	7122
Name	OJ990721_04.0103.C3.o1.np	Method	AAT/NAP
Start	4545	End	7122
GI	3329623	Score	144
Exons	4545..4586, 5831..5952, 6064..6485, 7059..7122		
GI Descrip.	(AF078790) No definition line found [Caenorhabditis elegans]		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28756	Strand	-
Start	14844	End	18571
Name	OJ990721_04.0103.C3.o4.gs	Method	GENSCAN
Start	14844	End	17602
GI	none	Score	.81
Exons	14844..15170, 15214..15311, 15327..15620, 16103..16421, 16791..17066, 17204..17602		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28756	Strand	-
Start	14844	End	18571
Name	OJ990721_04.0103.C3.o2.np	Method	AAT/NAP
Start	16059	End	18571
GI	6002712	Score	586
Exons	16059..16421, 16791..17027, 17183..17327, 17355..17596, 18479..18571		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28757	Strand	-
Start	19702	End	27722
Name	OJ990721_04.0103.C3.o5.gs	Method	GENSCAN
Start	19702	End	27722
GI	none	Score	.46
Exons	19702..20222, 20810..20825, 21572..21679, 23168..23377, 23583..23897, 25657..25925, 26467..26918, 27240..27392, 27586..27722		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28757	Strand	-
Start	19702	End	27722
Name	OJ990721_04.0103.C3.o3.np	Method	AAT/NAP
Start	23229	End	23740
GI	1706082	Score	275
Exons	23229..23740		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) gi|629787|pir||S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley gi|619350|bbs|153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] gi|474392|emb|CAA55478.1| (X78877) serine carboxylase II-3 [Hordeum vulgare]		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3

Gene No.	28757	Strand	-
Start	19702	End	27722
Name	OJ990721_04.0103.C3.o5.np	Method	AAT/NAP
Start	25811	End	27186
GI	1706082	Score	134
Exons	25811..26021, 26895..27186		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) gi|629787|pir||S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley gi|619350|bbs|153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] gi|474392|emb|CAA55478.1| (X78877) serine carboxylase II-3 [Hordeum vulgare]		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28758	Strand	-
Start	27990	End	28087
Name	OJ990721_04.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	16064	End	16419
GI	none	Score	128
Exons	16064..16291, 16068..16415, 16069..16419		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28758	Strand	-
Start	27990	End	28087
Name	OJ990721_04.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	17204	End	18572
GI	none	Score	74
Exons	17204..17311, 17208..17312, 17306..17467, 17331..17438, 17435..17641, 17463..17597, 18485..18562, 18489..18572		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28758	Strand	-
Start	27990	End	28087
Name	OJ990721_04.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	17249	End	17611
GI	none	Score	43
Exons	17249..17302, 17259..17297, 17300..17422, 17349..17411, 17441..17611, 17466..17546		

Seq. No.	13540	Seq. ID	OJ990721_04.0103.C3
Gene No.	28758	Strand	-
Start	27990	End	28087
Name	OJ990721_04.0103.C3.o6.np	Method	AAT/NAP
Start	27990	End	28087
GI	5777617	Score	73
Exons	27990..28087		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28759	Strand	+
Start	2655	End	7022
Name	OJ990721_04.0103.C4.o1.np	Method	AAT/NAP
Start	2655	End	7022
GI	2586082	Score	4970
Exons	2655..5330, 5370..7022		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28760	Strand	+
Start	10793	End	11203
Name	OJ990721_04.0103.C4.o2.gs	Method	GENSCAN
Start	10793	End	11203
GI	none	Score	.98
Exons	10793..11203		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28761	Strand	+
Start	14878	End	17967
Name	OJ990721_04.0103.C4.o3.np	Method	AAT/NAP
Start	14878	End	17967
GI	5804835	Score	991
Exons	14878..15282, 15563..15622, 15714..16005, 17105..17427, 17847..17967		
GI Descrip.	(AJ001451) cystathionine gamma synthase [Fragaria vesca] gi|6012969|emb|CAB57356.1| (Y17185) cystathionine gamma synthase [Fragaria vesca]		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28762	Strand	+
Start	22861	End	26799
Name	OJ990721_04.0103.C4.o7.gs	Method	GENSCAN
Start	22861	End	26799
GI	none	Score	.66
Exons	22861..22869, 23506..23646, 26674..26799		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28762	Strand	+
Start	22861	End	26799
Name	OJ990721_04.0103.C4.o3.gp	Method	AAT/GAP
Start	25661	End	25747
GI	5867_1.R1084	Score	131
Exons	25661..25747		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28763	Strand	+
Start	35315	End	36661
Name	OJ990721_04.0103.C4.o9.gs	Method	GENSCAN
Start	35315	End	36661
GI	none	Score	.88
Exons	35315..35472, 35788..35980, 36206..36661		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28764	Strand	-
Start	2297	End	2608
Name	OJ990721_04.0103.C4.o1.gp	Method	AAT/GAP
Start	2297	End	2608
GI	none	Score	594

Exons 2297..2608

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28765	Strand	-
Start	7030	End	7348
Name	OJ990721_04.0103.C4.o2.gp	Method	AAT/GAP
Start	7030	End	7348
GI	none	Score	599
Exons	7030..7348		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28766	Strand	-
Start	12351	End	13211
Name	OJ990721_04.0103.C4.o2.np	Method	AAT/NAP
Start	12351	End	13211
GI	4680203	Score	201
Exons	12351..13211		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28767	Strand	-
Start	18765	End	19236
Name	OJ990721_04.0103.C4.o5.gs	Method	GENSCAN
Start	18765	End	19236
GI	none	Score	.51
Exons	18765..18920, 19147..19236		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28768	Strand	-
Start	20172	End	22232
Name	OJ990721_04.0103.C4.o6.gs	Method	GENSCAN
Start	20172	End	22232
GI	none	Score	.72
Exons	20172..20402, 20481..20618, 21285..21695, 22155..22232		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28769	Strand	-
Start	27607	End	39009
Name	OJ990721_04.0103.C4.o8.gs	Method	GENSCAN
Start	27607	End	34806
GI	none	Score	.77
Exons	27607..27669, 27736..28000, 29399..29529, 30671..30765, 31008..31254, 31641..31696, 31926..32021, 32320..32379, 32981..33275, 33796..34062, 34481..34641, 34710..34806		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28769	Strand	-
Start	27607	End	39009
Name	OJ990721_04.0103.C4.o4.np	Method	AAT/NAP
Start	32904	End	39009
GI	6002712	Score	528
Exons	32904..33275, 33796..34029, 34460..34604, 34638..34884, 38935..39009		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4

Gene No.	28769	Strand	-
Start	27607	End	39009
Name	OJ990721_04.0103.C4.o10.gs	Method	GENSCAN
Start	37659	End	38124
GI	none	Score	.59
Exons	37659..37812, 37862..38124		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o10.tm	Method	TBLASTX:Maize
Start	440	End	1701
GI	none	Score	52
Exons	440..544, 486..542, 543..647, 591..644, 607..654, 646..681, 649..687, 693..836, 705..827, 723..845, 723..836, 738..842, 738..842, 745..813, 745..810, 878..1000, 879..1007, 883..1038, 886..1008, 886..990, 889..996, 890..1000, 891..1052, 893..1054, 894..1043, 900..1019, 1055..1120, 1061..1213, 1063..1227, 1070..1216, 1073..1213, 1073..1228, 1075..1221, 1076..1228, 1078..1218, 1103..1180, 1106..1207, 1111..1218, 1262..1369, 1265..1384, 1271..1372, 1271..1384, 1277..1363, 1280..1384, 1306..1377, 1390..1476, 1421..1534, 1422..1505, 1427..1525, 1427..1525, 1433..1519, 1636..1701		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o6.tw	Method	TBLASTX:Wheat
Start	2673	End	3050
GI	none	Score	251
Exons	2673..3050, 2825..3049		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	2733	End	3164
GI	none	Score	103
Exons	2733..2837, 2744..2833, 2865..3164, 2885..3142		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o8.tm	Method	TBLASTX:Maize
Start	3165	End	3731
GI	none	Score	80
Exons	3165..3296, 3486..3731, 3609..3731		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	3549	End	3941
GI	none	Score	263
Exons	3549..3782, 3600..3734, 3762..3941, 3776..3940		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4

Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o4.ts	Method	TBLASTX:Soybean
Start	4008	End	4418
GI	none	Score	186
Exons	4008..4223, 4114..4227, 4248..4418		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o7.tw	Method	TBLASTX:Wheat
Start	4227	End	4517
GI	none	Score	165
Exons	4227..4415, 4434..4517		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o2.tc	Method	TBLASTX:Cress
Start	4428	End	4877
GI	none	Score	358
Exons	4428..4877		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o5.ts	Method	TBLASTX:Soybean
Start	4440	End	4859
GI	none	Score	256
Exons	4440..4859		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o4.tw	Method	TBLASTX:Wheat
Start	4518	End	4877
GI	none	Score	286
Exons	4518..4877, 4551..4865, 4661..4870		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o7.tm	Method	TBLASTX:Maize
Start	4533	End	4856
GI	none	Score	274
Exons	4533..4856, 4664..4852		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	5478	End	5996
GI	5509260	Score	442
Exons	5478..5996, 5492..5593, 5618..5773, 5819..5983		
GI Descrip.	-		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4

Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o9.tm	Method	TBLASTX:Maize
Start	5520	End	5789
GI	none	Score	218
Exons	5520..5789, 5531..5749, 5583..5753		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o3.tc	Method	TBLASTX:Cress
Start	5609	End	5879
GI	none	Score	299
Exons	5609..5878, 5610..5879		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o3.tw	Method	TBLASTX:Wheat
Start	5660	End	6173
GI	none	Score	309
Exons	5660..5779, 5661..6005, 5813..5965, 5997..6173		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	5793	End	6233
GI	none	Score	393
Exons	5793..6233, 5813..5962, 5999..6103, 6146..6193		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o4.tc	Method	TBLASTX:Cress
Start	6060	End	6308
GI	none	Score	198
Exons	6060..6308		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	6174	End	6611
GI	none	Score	443
Exons	6174..6611, 6179..6496, 6348..6503, 6524..6610		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	6366	End	7022
GI	none	Score	288
Exons	6366..6764, 6380..6712, 6800..6865, 6801..7022		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-

Start	41675	End	46254
Name	OJ990721_04.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	6375	End	6971
GI	none	Score	544
Exons	6375..6971, 6377..6502, 6563..6766, 6801..6890		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o7.ts	Method	TBLASTX:Soybean
Start	12534	End	12804
GI	none	Score	65
Exons	12534..12599, 12604..12804, 12656..12766		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o5.tm	Method	TBLASTX:Maize
Start	14950	End	17970
GI	none	Score	59
Exons	14950..15018, 15054..15278, 15055..15294, 15557..15625, 15714..15887, 15731..15877, 15891..16004, 15892..16020, 17104..17427, 17105..17428, 17111..17431, 17854..17970		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o3.ts	Method	TBLASTX:Soybean
Start	14953	End	17982
GI	none	Score	54
Exons	14953..15018, 15055..15297, 15060..15287, 15714..15887, 15722..15886, 15889..16020, 15891..16004, 17104..17436, 17105..17437, 17857..17982		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	15054	End	17970
GI	none	Score	250
Exons	15054..15287, 15055..15297, 15711..15887, 15722..15886, 15891..16004, 15892..16020, 17104..17436, 17105..17437, 17857..17970		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o5.tw	Method	TBLASTX:Wheat
Start	15054	End	15953
GI	none	Score	228
Exons	15054..15296, 15055..15294, 15584..15625, 15714..15887, 15722..15877, 15891..15953, 15892..15951		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o6.tm	Method	TBLASTX:Maize

Start	20048	End	43801
GI	none	Score	82
Exons	20048..20167, 20050..20214, 20050..20211, 20211..20396, 20274..20399, 32845..32901, 32913..33095, 32923..33090, 33094..33270, 33126..33269, 43451..43660, 43658..43801		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o8.ts	Method	TBLASTX:Soybean
Start	20050	End	43807
GI	none	Score	67
Exons	20050..20211, 20253..20414, 32913..33086, 32995..33084, 33120..33278, 33169..33291, 43658..43807		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	21285	End	46098
GI	none	Score	81
Exons	21285..21392, 21289..21402, 21396..21518, 21400..21516, 21514..21687, 21531..21680, 22155..22250, 34463..34597, 34481..34597, 34497..34604, 34595..34693, 34596..34694, 34702..34884, 34721..34888, 38914..39003, 45683..45790, 45687..45791, 45797..45907, 45800..45904, 45966..46097, 45967..46098		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o6.ts	Method	TBLASTX:Soybean
Start	21330	End	46097
GI	none	Score	58
Exons	21330..21383, 21429..21515, 21430..21492, 21507..21689, 21525..21662, 21547..21702, 34526..34579, 34640..34693, 34641..34694, 34702..34884, 34766..34882, 45728..45844, 45842..45973, 45843..45896, 45966..46097, 45967..46083		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o12.gs	Method	GENSCAN
Start	41675	End	45958
GI	none	Score	.7
Exons	41675..41890, 43514..43807, 43922..44188, 45683..45958		

Seq. No.	13541	Seq. ID	OJ990721_04.0103.C4
Gene No.	28770	Strand	-
Start	41675	End	46254
Name	OJ990721_04.0103.C4.o5.np	Method	AAT/NAP
Start	43445	End	46254
GI	6651395	Score	387
Exons	43445..43807, 43922..44190, 45661..46082, 46204..46254		
GI Descrip.	(AF179222) floral nectary-specific protein [Brassica rapa subsp. pekinensis]		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28771	Strand	+
Start	1776	End	5799
Name	OJ990721_04.0103.C5.o1.np	Method	AAT/NAP
Start	1776	End	5799
GI	133416	Score	243
Exons	1776..2059, 3837..3973, 5771..5799		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66970|pir||RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi|11971|emb|CAA33986| (X15901) RNA polymerase beta subunit [Oryza sativa]		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	1779	End	2041
GI	none	Score	115
Exons	1779..1880, 1785..1877, 1796..1882, 1858..2028, 1883..2041, 1886..2026, 1887..2027		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o2.gs	Method	GENSCAN
Start	5208	End	7935
GI	none	Score	.68
Exons	5208..5620, 6777..7101, 7122..7499, 7840..7935		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	6239	End	6593
GI	none	Score	94
Exons	6239..6268, 6240..6368, 6312..6365, 6380..6442, 6404..6439, 6425..6523, 6441..6548, 6454..6546, 6549..6593, 6561..6593		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o2.np	Method	AAT/NAP
Start	6730	End	8046
GI	6630696	Score	2189
Exons	6730..8046		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	6866	End	7340
GI	none	Score	245
Exons	6866..7123, 6868..7122, 6904..7143, 7125..7247, 7125..7250, 7126..7257, 7129..7251, 7240..7335, 7266..7340, 7267..7335,		

7280..7339

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	6994	End	7334
GI	none	Score	97
Exons	6994..7119, 7128..7202, 7221..7334		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	7196	End	7539
GI	none	Score	80
Exons	7196..7444, 7197..7538, 7198..7539		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	7344	End	7691
GI	none	Score	70
Exons	7344..7514, 7347..7517, 7348..7518, 7530..7691, 7535..7690		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	7547	End	8043
GI	none	Score	61
Exons	7547..7687, 7702..7755, 7747..8043, 7910..8035		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	7696	End	8043
GI	none	Score	58
Exons	7696..8043, 7781..7840, 7876..7956		

Seq. No.	13542	Seq. ID	OJ990721_04.0103.C5
Gene No.	28772	Strand	-
Start	5208	End	8046
Name	OJ990721_04.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	7708	End	8043
GI	none	Score	87
Exons	7708..8043, 7717..7950, 8003..8041		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	2012
GI	6630696	Score	3526
Exons	1..2012		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	1	End	375
GI	none	Score	406
Exons	1..375, 3..368		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	33	End	431
GI	none	Score	111
Exons	33..206, 210..431, 214..429		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o1.gs	Method	GENSCAN
Start	126	End	2279
GI	none	Score	.43
Exons	126..1154, 1191..2279		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	219	End	683
GI	none	Score	82
Exons	219..683, 226..444		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o3.tw	Method	TBLASTX:Wheat
Start	376	End	576
GI	none	Score	227
Exons	376..576, 376..573, 378..575		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	441	End	821
GI	none	Score	88
Exons	441..689, 672..821		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	795	End	1139

GI	none	Score	373
Exons	795..836, 865..1137, 865..1137, 866..1138, 866..1138, 867..1139		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o1.gp	Method	AAT/GAP
Start	1080	End	1970
GI	101595_1.R1084	Score	1455
Exons	1080..1154, 1270..1970		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	1662	End	1970
GI	none	Score	111
Exons	1662..1970, 1665..1841, 1727..1870, 1741..1923		

Seq. No.	13543	Seq. ID	OJ990721_04.0103.C6
Gene No.	28773	Strand	-
Start	1	End	2279
Name	OJ990721_04.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	1721	End	2118
GI	none	Score	144
Exons	1721..1903, 1722..2006, 1741..1932, 1983..2117, 2020..2118		

Seq. No.	13544	Seq. ID	OJ990721_04.0103.C9
Gene No.	28774	Strand	+
Start	198	End	423
Name	OJ990721_04.0103.C9.o1.gs	Method	GENSCAN
Start	198	End	423
GI	none	Score	.4
Exons	198..423		

Seq. No.	13545	Seq. ID	OJ990701_04.0103.C3
Gene No.	28775	Strand	-
Start	198	End	517
Name	OJ990701_04.0103.C3.o1.gs	Method	GENSCAN
Start	198	End	517
GI	none	Score	.43
Exons	198..293, 416..517		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28776	Strand	+
Start	1	End	15816
Name	OJ990701_04.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	15816
GI	4868120	Score	556
Exons	1..25, 2550..2716, 3293..3401, 3481..3593, 3680..3861, 4386..4761, 9135..9238, 14254..14292, 15771..15816		
GI Descrip.	(AF116556) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28776	Strand	+

Start	1	End	15816
Name	OJ990701_04.0103.C8.o1.gs	Method	GENSCAN
Start	203	End	7062
GI	none	Score	.68
Exons	203..1226, 2260..2716, 3293..3401, 3481..3623, 3680..3861, 4386..4848, 5239..5547, 6277..6354, 6410..6444, 7008..7062		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28776	Strand	+
Start	1	End	15816
Name	OJ990701_04.0103.C8.o1.gp	Method	AAT/GAP
Start	331	End	534
GI	none	Score	379
Exons	331..534		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28776	Strand	+
Start	1	End	15816
Name	OJ990701_04.0103.C8.o3.gs	Method	GENSCAN
Start	10414	End	14754
GI	none	Score	.42
Exons	10414..10507, 10557..10687, 10716..10889, 10903..11127, 12823..12895, 14045..14754		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28777	Strand	-
Start	7213	End	7417
Name	OJ990701_04.0103.C8.o2.gp	Method	AAT/GAP
Start	7213	End	7417
GI	none	Score	306
Exons	7213..7417		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28778	Strand	-
Start	8744	End	9329
Name	OJ990701_04.0103.C8.o2.gs	Method	GENSCAN
Start	8744	End	9329
GI	none	Score	.92
Exons	8744..9223, 9273..9329		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28779	Strand	-
Start	15648	End	15734
Name	OJ990701_04.0103.C8.o6.tm	Method	TBLASTX:Maize
Start	757	End	1199
GI	none	Score	166
Exons	757..972, 757..936, 759..980, 983..1030, 1039..1110, 1078..1197, 1109..1198, 1140..1199		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28779	Strand	-
Start	15648	End	15734
Name	OJ990701_04.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	2258	End	2536
GI	none	Score	183
Exons	2258..2452, 2260..2451, 2261..2452, 2458..2535, 2458..2535, 2459..2536, 2459..2536		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28779	Strand	-
Start	15648	End	15734
Name	OJ990701_04.0103.C8.o4.tm	Method	TBLASTX:Maize
Start	2579	End	3868
GI	none	Score	125
Exons	2579..2719, 2584..2715, 2643..2732, 2648..2719, 3308..3403, 3319..3456, 3498..3593, 3515..3589, 3611..3778, 3674..3763, 3782..3868, 3784..3867		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28779	Strand	-
Start	15648	End	15734
Name	OJ990701_04.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	4402	End	5060
GI	none	Score	38
Exons	4402..4431, 4404..4427, 4465..4671, 4468..4668, 4517..4687, 4768..4845, 4773..4844, 4926..5060, 4929..5030, 4934..5059		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28779	Strand	-
Start	15648	End	15734
Name	OJ990701_04.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	5064	End	5487
GI	none	Score	151
Exons	5064..5276, 5065..5292, 5065..5301, 5305..5430, 5306..5431, 5332..5445, 5335..5472, 5356..5487		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28779	Strand	-
Start	15648	End	15734
Name	OJ990701_04.0103.C8.o7.tm	Method	TBLASTX:Maize
Start	6275	End	6446
GI	none	Score	140
Exons	6275..6391, 6276..6395, 6378..6446, 6386..6445		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28779	Strand	-
Start	15648	End	15734
Name	OJ990701_04.0103.C8.o5.tm	Method	TBLASTX:Maize
Start	14593	End	14736
GI	none	Score	225
Exons	14593..14736, 14604..14735		

Seq. No.	13546	Seq. ID	OJ990701_04.0103.C8
Gene No.	28779	Strand	-
Start	15648	End	15734
Name	OJ990701_04.0103.C8.o4.gs	Method	GENSCAN
Start	15648	End	15734
GI	none	Score	.75
Exons	15648..15734		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28780	Strand	+
Start	5309	End	5777
Name	OJ990701_04.0103.C9.o2.gs	Method	GENSCAN

Start	5309	End	5777
GI	none	Score	.66
Exons	5309..5363, 5382..5457, 5570..5777		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28781	Strand	+
Start	6302	End	9539
Name	OJ990701_04.0103.C9.o1.np	Method	AAT/NAP
Start	6302	End	9536
GI	6907089	Score	4125
Exons	6302..7563, 7658..9536		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28781	Strand	+
Start	6302	End	9539
Name	OJ990701_04.0103.C9.o3.gs	Method	GENSCAN
Start	6302	End	9539
GI	none	Score	.92
Exons	6302..7367, 7395..7563, 7658..9539		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28782	Strand	+
Start	16417	End	16939
Name	OJ990701_04.0103.C9.o4.np	Method	AAT/NAP
Start	16417	End	16939
GI	5922623	Score	134
Exons	16417..16497, 16873..16939		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	10158	End	10328
GI	none	Score	125
Exons	10158..10328, 10159..10323		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o2.np	Method	AAT/NAP
Start	10188	End	15834
GI	6498441	Score	6792
Exons	10188..10469, 10563..11960, 12132..12603, 12796..13047, 13222..13356, 13540..13913, 13977..14440, 14771..15834		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o7.tw	Method	TBLASTX:Wheat
Start	10197	End	10775

GI	none	Score	83
Exons	10197..10322, 10201..10323, 10461..10751, 10515..10775, 10516..10773		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o4.tw	Method	TBLASTX:Wheat
Start	10780	End	11181
GI	none	Score	157
Exons	10780..11079, 10800..11180, 11125..11181		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	10995	End	11318
GI	none	Score	177
Exons	10995..11318, 11008..11289		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o8.tw	Method	TBLASTX:Wheat
Start	11511	End	11823
GI	none	Score	66
Exons	11511..11771, 11647..11823		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o2.ts	Method	TBLASTX:Soybean
Start	11571	End	12137
GI	5666795	Score	68
Exons	11571..11771, 11826..11963, 12039..12137		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o5.tw	Method	TBLASTX:Wheat
Start	11826	End	15286
GI	none	Score	87
Exons	11826..11975, 11827..11964, 12022..12195, 12036..12284, 12036..12260, 15233..15286		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	12885	End	13256
GI	none	Score	90
Exons	12885..13256, 13096..13239		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939

Name	OJ990701_04.0103.C9.o2.tw	Method	TBLASTX:Wheat
Start	12910	End	13334
GI	none	Score	330
Exons	12910..13329, 12915..13334		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	13008	End	13392
GI	none	Score	221
Exons	13008..13391, 13027..13392		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	13419	End	13775
GI	none	Score	113
Exons	13419..13709, 13419..13775, 13429..13740		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	13443	End	13905
GI	none	Score	404
Exons	13443..13904, 13444..13905		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o3.ts	Method	TBLASTX:Soybean
Start	13500	End	13865
GI	none	Score	117
Exons	13500..13634, 13641..13865		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o3.tw	Method	TBLASTX:Wheat
Start	14073	End	14556
GI	none	Score	77
Exons	14073..14555, 14097..14291, 14101..14361, 14383..14556		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o3.np	Method	AAT/NAP
Start	14940	End	16939
GI	81286	Score	68
Exons	14940..15138, 15583..15633, 15739..15966, 16226..16280, 16424..16491, 16772..16939		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9

Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o6.tw	Method	TBLASTX:Wheat
Start	15294	End	15686
GI	none	Score	87
Exons	15294..15551, 15328..15567, 15534..15632, 15535..15627, 15639..15686		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o5.tm	Method	TBLASTX:Maize
Start	15396	End	15681
GI	none	Score	104
Exons	15396..15644, 15397..15681		

Seq. No.	13547	Seq. ID	OJ990701_04.0103.C9
Gene No.	28783	Strand	-
Start	10188	End	16939
Name	OJ990701_04.0103.C9.o5.np	Method	AAT/NAP
Start	16569	End	16939
GI	5042454	Score	105
Exons	16569..16622, 16856..16939		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13548	Seq. ID	OJ990701_04.0103.C10
Gene No.	28784	Strand	
Start	1392	End	1886
Name	OJ990701_04.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	1392	End	1811
GI	none	Score	121
Exons	1392..1520, 1587..1811		

Seq. No.	13548	Seq. ID	OJ990701_04.0103.C10
Gene No.	28784	Strand	
Start	1392	End	1886
Name	OJ990701_04.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	1395	End	1793
GI	none	Score	72
Exons	1395..1538, 1396..1539, 1557..1793		

Seq. No.	13548	Seq. ID	OJ990701_04.0103.C10
Gene No.	28784	Strand	
Start	1392	End	1886
Name	OJ990701_04.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	1470	End	1886
GI	none	Score	73
Exons	1470..1547, 1620..1886, 1624..1875		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o1.np	Method	AAT/NAP
Start	4608	End	8759
GI	4234852	Score	4355
Exons	4608..8556, 8599..8759		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o5.tm	Method	TBLASTX:Maize
Start	4647	End	5105
GI	none	Score	55
Exons	4647..4838, 4887..5063, 5046..5105		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o3.tw	Method	TBLASTX:Wheat
Start	4659	End	5058
GI	none	Score	118
Exons	4659..5054, 4825..5058		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o3.ts	Method	TBLASTX:Soybean
Start	4662	End	5228
GI	none	Score	60
Exons	4662..4853, 4842..5033, 4936..5037, 5046..5228		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	5118	End	5549
GI	none	Score	126
Exons	5118..5414, 5119..5274, 5388..5549		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o1.tw	Method	TBLASTX:Wheat
Start	5214	End	5994
GI	none	Score	148
Exons	5214..5663, 5218..5664, 5640..5993, 5647..5994, 5649..5993		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o3.tm	Method	TBLASTX:Maize
Start	5550	End	5993
GI	none	Score	139
Exons	5550..5651, 5685..5993, 5686..5976		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	5685	End	6122
GI	5509260	Score	44
Exons	5685..6122, 5686..5718, 5761..6033		
GI Descrip.	-		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	5775	End	6035
GI	none	Score	116
Exons	5775..6035, 5797..6033		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o4.ts	Method	TBLASTX:Soybean
Start	6633	End	7005
GI	none	Score	67
Exons	6633..6806, 6810..7001, 6838..7005		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o2.tw	Method	TBLASTX:Wheat
Start	6636	End	7298
GI	none	Score	35
Exons	6636..6734, 6661..6735, 6714..7019, 6736..6996, 7059..7298, 7060..7113		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o2.tc	Method	TBLASTX:Cress
Start	6639	End	7019
GI	none	Score	123
Exons	6639..6806, 6819..7019		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o4.tm	Method	TBLASTX:Maize
Start	6825	End	7283
GI	none	Score	85
Exons	6825..7010, 6847..7008, 7059..7283		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o2.ts	Method	TBLASTX:Soybean
Start	7006	End	7442
GI	none	Score	88
Exons	7006..7095, 7008..7247, 7023..7202, 7251..7274, 7251..7352, 7377..7442		

Seq. No.	13549	Seq. ID	OJ990701_04.0103.C11
Gene No.	28785	Strand	-
Start	4608	End	8759
Name	OJ990701_04.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	7656	End	8667
GI	none	Score	50

Exons	7656..7721, 7762..7812, 7917..8048, 7936..7977, 8058..8666, 8088..8342, 8089..8667		
Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28786	Strand	+
Start	4644	End	11669
Name	OJ990701_04.0103.C12.o2.gs	Method	GENSCAN
Start	4644	End	11669
GI	none	Score	.85
Exons	4644..4773, 6933..7031, 8168..8414, 8729..8782, 9365..9393, 10428..10589, 11119..11247, 11275..11669		
Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28787	Strand	+
Start	23293	End	24107
Name	OJ990701_04.0103.C12.o4.gs	Method	GENSCAN
Start	23293	End	24107
GI	none	Score	.81
Exons	23293..23703, 23709..24107		
Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28788	Strand	+
Start	34618	End	35930
Name	OJ990701_04.0103.C12.o3.np	Method	AAT/NAP
Start	34618	End	35930
GI	6815099	Score	98
Exons	34618..34640, 35812..35930		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28789	Strand	+
Start	36705	End	36851
Name	OJ990701_04.0103.C12.o7.gs	Method	GENSCAN
Start	36705	End	36851
GI	none	Score	.65
Exons	36705..36851		
Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28790	Strand	-
Start	266	End	2746
Name	OJ990701_04.0103.C12.o1.gs	Method	GENSCAN
Start	266	End	2746
GI	none	Score	.41
Exons	266..669, 1800..2088, 2232..2715, 2724..2746		
Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28790	Strand	-
Start	266	End	2746
Name	OJ990701_04.0103.C12.o1.np	Method	AAT/NAP
Start	1342	End	2672
GI	4220525	Score	332
Exons	1342..1399, 1838..2672		
GI Descrip.	(AL035356) putative tRNA isopentenyltransferase [Arabidopsis thaliana]		
Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28791	Strand	-

Start	12934	End	22725
Name	OJ990701_04.0103.C12.o1.gp	Method	AAT/GAP
Start	12497	End	13055
GI	17436_1.R1084	Score	1066
Exons	12497..13055		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 8.0e-11 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28791	Strand	-
Start	12934	End	22725
Name	OJ990701_04.0103.C12.o3.gs	Method	GENSCAN
Start	12934	End	22409
GI	none	Score	.88
Exons	12934..13047, 13892..14136, 14631..14832, 14919..15017, 15152..15208, 15933..16058, 16138..16278, 17439..17567, 18394..18600, 18761..18829, 19860..20018, 20110..20213, 20294..20447, 20527..20686, 21509..21641, 22070..22214, 22356..22409		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28791	Strand	-
Start	12934	End	22725
Name	OJ990701_04.0103.C12.o2.np	Method	AAT/NAP
Start	12937	End	22725
GI	5880464	Score	2649
Exons	12937..13047, 13892..14136, 14577..14840, 15148..15208, 15933..16058, 16138..16285, 16504..16655, 17439..17567, 18463..18600, 18761..18829, 18905..18973, 19860..20018, 20110..20213, 20294..20447, 20527..20686, 21509..21641, 21722..21899, 21978..22214, 22300..22371, 22461..22560, 22670..22725		
GI Descrip.	(AF088901) actin bundling protein ABP135 [Lilium longiflorum]		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28791	Strand	-
Start	12934	End	22725
Name	OJ990701_04.0103.C12.o2.gp	Method	AAT/GAP
Start	14001	End	16410
GI	30312_1.R1084	Score	1504
Exons	14001..14136, 14610..14832, 14919..15017, 15152..15208, 15933..16058, 16138..16278, 16355..16410		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28791	Strand	-
Start	12934	End	22725
Name	OJ990701_04.0103.C12.o3.gp	Method	AAT/GAP
Start	16624	End	18613
GI	426363	Score	552
Exons	16624..16655, 17439..17567, 18463..18613		
GI Descrip.	5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28791	Strand	-

Start	12934	End	22725
Name	OJ990701_04.0103.C12.o4.gp	Method	AAT/GAP
Start	19886	End	21818
GI	34019_1.R1084	Score	1423
Exons	19886..20018, 20110..20213, 20294..20447, 20527..20686, 21509..21641, 21722..21818		
GI Descrip.	'5880464/gb|AAD54660.1|AF088901_1 1.0e-95 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o4.ts	Method	TBLASTX:Soybean
Start	2436	End	2667
GI	none	Score	75
Exons	2436..2666, 2476..2667		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o4.tm	Method	TBLASTX:Maize
Start	9440	End	9689
GI	none	Score	79
Exons	9440..9688, 9537..9689		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o3.tm	Method	TBLASTX:Maize
Start	12904	End	18533
GI	none	Score	161
Exons	12904..13050, 12905..13048, 12932..13057, 13885..14013, 13887..14012, 13892..14032, 13893..14030, 14611..14649, 14734..14814, 14761..14817, 14890..15015, 14919..15035, 14923..15024, 15152..15208, 15153..15209, 15930..16061, 15933..16061, 15938..16066, 16137..16280, 16138..16284, 16139..16279, 16497..16550, 16506..16550, 16543..16653, 16545..16661, 17439..17555, 17439..17567, 17440..17556, 18450..18533, 18460..18531		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	12934	End	22708
GI	none	Score	90
Exons	12934..13050, 12941..13042, 13892..13963, 14725..14826, 15930..16061, 15931..16059, 15948..16061, 16138..16281, 16139..16279, 16497..16661, 16501..16662, 17439..17543, 17439..17567, 17440..17544, 17441..17575, 17448..17561, 18460..18609, 18761..18829, 18762..18830, 18908..18979, 19858..20025, 19859..20026, 19860..20021, 19866..20021, 20095..20166, 20346..20456, 20346..20447, 20348..20455, 20527..20709, 20567..20710, 21511..21654, 21512..21643, 21719..21886, 21723..21899, 21724..21900, 21724..21900, 21968..22216, 21978..22244, 21978..22253, 21991..22254, 22300..22410, 22304..22354, 22456..22560, 22461..22559,		

22464..22553, 22669..22707, 22670..22708

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o1.ts	Method	TBLASTX:Soybean
Start	14746	End	16291
GI	none	Score	108
Exons	14746..14814, 15930..16061, 15949..16059, 16135..16284, 16138..16284, 16139..16291		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o2.tm	Method	TBLASTX:Maize
Start	18535	End	22553
GI	none	Score	102
Exons	18535..18609, 18761..18829, 18762..18842, 18904..18957, 18905..18955, 19878..20021, 19879..20019, 19892..20029, 20098..20214, 20106..20207, 20125..20208, 20165..20215, 20293..20325, 20304..20450, 20335..20433, 20343..20447, 20518..20586, 20527..20595, 22464..22553		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o3.ts	Method	TBLASTX:Soybean
Start	18544	End	22553
GI	none	Score	75
Exons	18544..18609, 18761..18829, 18765..18830, 18908..18985, 19859..20020, 19863..20021, 20095..20148, 22464..22553		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	21792	End	22342
GI	none	Score	77
Exons	21792..21875, 21792..21899, 21793..21900, 21796..21900, 21976..22218, 21978..22232, 21978..22235, 22294..22341, 22295..22342		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o2.ts	Method	TBLASTX:Soybean
Start	21979	End	22221
GI	none	Score	156
Exons	21979..22221, 21981..22217		

Seq. No.	13550	Seq. ID	OJ990701_04.0103.C12
Gene No.	28792	Strand	-
Start	28462	End	31563
Name	OJ990701_04.0103.C12.o5.gs	Method	GENSCAN
Start	28462	End	31563
GI	none	Score	.48
Exons	28462..28842, 29286..29318, 31306..31563		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	8872
GI	4160292	Score	2320
Exons	1..160, 649..859, 1386..1507, 2077..2162, 2711..2805, 3104..3185, 3600..3706, 3893..3923, 4468..4585, 4881..4934, 6178..6287, 6395..6497, 6716..6814, 6998..7108, 7218..7453, 8091..8328, 8448..8526, 8640..8872		
GI Descrip.	(Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o1.gs	Method	GENSCAN
Start	40	End	9859
GI	none	Score	.58
Exons	40..183, 532..708, 2077..2162, 3600..3706, 3893..3923, 4468..4585, 4884..4934, 6178..6202, 6358..6497, 6716..6814, 7218..7324, 8091..8328, 8448..8471, 8600..8825, 9723..9859		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o4.tm	Method	TBLASTX:Maize
Start	649	End	2163
GI	none	Score	226
Exons	649..831, 650..829, 832..867, 2068..2163, 2071..2160, 2097..2162		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o3.tm	Method	TBLASTX:Maize
Start	1388	End	1551
GI	none	Score	256
Exons	1388..1549, 1391..1537, 1392..1550, 1393..1551		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o1.gp	Method	AAT/GAP
Start	2120	End	4602
GI	uC-osflcyp013h11b1	Score	838
Exons	2120..2162, 2711..2805, 3104..3185, 3600..3706, 3893..3923, 4468..4602		
GI Descrip.	'4160292/emb|CAA77084| 1.0e-59 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]'		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o2.tm	Method	TBLASTX:Maize
Start	4511	End	6497
GI	none	Score	89
Exons	4511..4612, 6175..6297, 6177..6296, 6374..6496, 6399..6497		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o2.gp	Method	AAT/GAP
Start	4898	End	7027
GI	2310418	Score	663
Exons	4898..4934, 6178..6287, 6395..6497, 6716..6814, 6998..7027		
GI Descrip.	4160292/emb|CAA77084| 1.0e-59 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	6201	End	6769
GI	none	Score	138
Exons	6201..6278, 6202..6297, 6394..6498, 6395..6499, 6396..6500, 6715..6768, 6716..6769		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	6764	End	8871
GI	none	Score	70
Exons	6764..6814, 6765..6815, 6986..7108, 6995..7108, 6996..7109, 6997..7110, 7190..7456, 7192..7458, 7212..7463, 7216..7458, 7223..7462, 8071..8340, 8073..8327, 8421..8507, 8445..8531, 8446..8532, 8446..8532, 8638..8871, 8639..8842, 8641..8871		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o3.gp	Method	AAT/GAP
Start	7020	End	8200
GI	LIB3433-018-Q6-K6-A8	Score	786
Exons	7020..7108, 7218..7453, 8091..8200		
GI Descrip.	'4160292/emb|CAA77084| 2.0e-41 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]'		

Seq. No.	13551	Seq. ID	OJ990701_04.0103.C13
Gene No.	28793	Strand	+
Start	1	End	9859
Name	OJ990701_04.0103.C13.o4.gp	Method	AAT/GAP
Start	8250	End	9081
GI	15426_1.R1084	Score	1099
Exons	8250..8328, 8448..8526, 8640..9081		
GI Descrip.	'4160292/emb|CAA77084| 3.0e-37 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]'		

Seq. No.	13552	Seq. ID	OJ990701_04.0103.C14
Gene No.	28794	Strand	+
Start	174	End	7976
Name	OJ990701_04.0103.C14.o1.gs	Method	GENSCAN
Start	174	End	7976
GI	none	Score	.57

Exons	174..503, 676..765, 1296..1483, 3435..3515, 4857..5057, 5062..5245, 6236..6297, 7223..7370, 7619..7763, 7788..7976		
Seq. No.	13552	Seq. ID	OJ990701_04.0103.C14
Gene No.	28794	Strand	+
Start	174	End	7976
Name	OJ990701_04.0103.C14.o1.np	Method	AAT/NAP
Start	185	End	5393
GI	81286	Score	73
Exons	185..345, 2245..2282, 4694..4902, 5010..5245, 5334..5393		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		
Seq. No.	13553	Seq. ID	OJ990701_04.0103.C15
Gene No.	28795	Strand	+
Start	105	End	606
Name	OJ990701_04.0103.C15.o1.gs	Method	GENSCAN
Start	105	End	606
GI	none	Score	.55
Exons	105..182, 299..606		
Seq. No.	13553	Seq. ID	OJ990701_04.0103.C15
Gene No.	28796	Strand	-
Start	2227	End	2433
Name	OJ990701_04.0103.C15.o2.gs	Method	GENSCAN
Start	2227	End	2433
GI	none	Score	.96
Exons	2227..2433		
Seq. No.	13554	Seq. ID	OJ990701_04.0103.C16
Gene No.	28797	Strand	+
Start	1262	End	1571
Name	OJ990701_04.0103.C16.o1.gs	Method	GENSCAN
Start	1262	End	1571
GI	none	Score	.8
Exons	1262..1264, 1515..1571		
Seq. No.	13554	Seq. ID	OJ990701_04.0103.C16
Gene No.	28798	Strand	-
Start	3499	End	3630
Name	OJ990701_04.0103.C16.o2.gs	Method	GENSCAN
Start	3499	End	3630
GI	none	Score	.72
Exons	3499..3630		
Seq. No.	13555	Seq. ID	OJ990701_04.0103.C17
Gene No.	28799	Strand	+
Start	1	End	493
Name	OJ990701_04.0103.C17.o1.np	Method	AAT/NAP
Start	1	End	493
GI	2335104	Score	117
Exons	1..32, 183..493		
GI Descrip.	(AC002339) putative villin 2 [Arabidopsis thaliana]		
Seq. No.	13555	Seq. ID	OJ990701_04.0103.C17
Gene No.	28800	Strand	-
Start	24	End	386

Name	OJ990701_04.0103.C17.o1.gs	Method	GENSCAN
Start	24	End	386
GI	none	Score	.65
Exons	24..163, 320..386		

Seq. No.	13555	Seq. ID	OJ990701_04.0103.C17
Gene No.	28800	Strand	-
Start	24	End	386
Name	OJ990701_04.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	180	End	325
GI	none	Score	184
Exons	180..314, 184..318, 224..325, 235..318		

Seq. No.	13556	Seq. ID	OJ990721_01.0103.C1
Gene No.	28801	Strand	+
Start	469	End	715
Name	OJ990721_01.0103.C1.o1.gp	Method	AAT/GAP
Start	469	End	715
GI	uC-osf1cyp033a04b1	Score	419
Exons	469..715		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13556	Seq. ID	OJ990721_01.0103.C1
Gene No.	28802	Strand	-
Start	399	End	1299
Name	OJ990721_01.0103.C1.o1.gs	Method	GENSCAN
Start	399	End	602
GI	none	Score	.47
Exons	399..602		

Seq. No.	13556	Seq. ID	OJ990721_01.0103.C1
Gene No.	28802	Strand	-
Start	399	End	1299
Name	OJ990721_01.0103.C1.o1.np	Method	AAT/NAP
Start	402	End	1299
GI	4680186	Score	343
Exons	402..618, 1211..1299		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28803	Strand	+
Start	330	End	2596
Name	OJ990721_01.0103.C4.o1.gs	Method	GENSCAN
Start	330	End	2596
GI	none	Score	.52
Exons	330..466, 2527..2596		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28803	Strand	+
Start	330	End	2596
Name	OJ990721_01.0103.C4.o1.gp	Method	AAT/GAP
Start	431	End	1029
GI	none	Score	810
Exons	431..466, 549..624, 709..1029		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4

Gene No.	28804	Strand	+
Start	5258	End	14856
Name	OJ990721_01.0103.C4.o3.gs	Method	GENSCAN
Start	5258	End	14856
GI	none	Score	.59
Exons	5258..5550, 5788..6186, 6455..7402, 7950..8022, 8087..8185, 9371..9468, 9807..9899, 10427..11092, 11110..11314, 11397..11528, 11552..11831, 11991..12213, 12260..12541, 12645..13221, 13281..13495, 13522..13667, 13752..13905, 13936..14255, 14369..14516, 14823..14856		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28804	Strand	+
Start	5258	End	14856
Name	OJ990721_01.0103.C4.o1.np	Method	AAT/NAP
Start	10456	End	14703
GI	6498441	Score	3301
Exons	10456..11026, 11351..11788, 11852..12213, 12398..12532, 12708..14328, 14422..14703		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28805	Strand	+
Start	17379	End	17628
Name	OJ990721_01.0103.C4.o2.gp	Method	AAT/GAP
Start	17379	End	17628
GI	LIB3475-004-P1-K2-A5	Score	432
Exons	17379..17628		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28806	Strand	+
Start	19096	End	20756
Name	OJ990721_01.0103.C4.o5.gs	Method	GENSCAN
Start	19096	End	20756
GI	none	Score	.85
Exons	19096..19175, 19231..19468, 20350..20550, 20556..20756		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28807	Strand	+
Start	21627	End	22007
Name	OJ990721_01.0103.C4.o3.gp	Method	AAT/GAP
Start	21627	End	22007
GI	uC-osflcyp033a04b1	Score	654
Exons	21627..22007		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28808	Strand	+
Start	30807	End	34930
Name	OJ990721_01.0103.C4.o9.gs	Method	GENSCAN
Start	30807	End	34930
GI	none	Score	.45

Exons	30807..30843, 31871..32062, 32671..32798, 33652..34218, 34294..34311, 34394..34655, 34812..34930		
Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28809	Strand	+
Start	36930	End	37021
Name	OJ990721_01.0103.C4.o4.gp	Method	AAT/GAP
Start	36930	End	37021
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	36930..37021		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28810	Strand	+
Start	38846	End	39393
Name	OJ990721_01.0103.C4.o5.gp	Method	AAT/GAP
Start	38846	End	39393
GI	100936_1.R1084	Score	1019
Exons	38846..39393		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28811	Strand	-
Start	3326	End	3807
Name	OJ990721_01.0103.C4.o2.gs	Method	GENSCAN
Start	3326	End	3807
GI	none	Score	.96
Exons	3326..3564, 3675..3807		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28812	Strand	-
Start	15449	End	18795
Name	OJ990721_01.0103.C4.o2.np	Method	AAT/NAP
Start	15431	End	18795
GI	5803259	Score	1135
Exons	15431..16131, 16236..16382, 16518..18795		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28812	Strand	-
Start	15449	End	18795
Name	OJ990721_01.0103.C4.o4.gs	Method	GENSCAN
Start	15449	End	18786
GI	none	Score	.65
Exons	15449..15616, 15796..15926, 16095..16235, 16283..16615, 16717..17122, 17664..17805, 17974..18112, 18150..18546, 18616..18786		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28813	Strand	-
Start	21557	End	24928
Name	OJ990721_01.0103.C4.o6.gs	Method	GENSCAN
Start	21557	End	24928
GI	none	Score	.54

Exons	21557..21759, 21856..21909, 22850..22935, 24768..24928		
Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28814	Strand	-
Start	26642	End	29080
Name	OJ990721_01.0103.C4.o3.np	Method	AAT/NAP
Start	26600	End	28604
GI	6735317	Score	586
Exons	26600..27777, 28424..28604		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		
Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28814	Strand	-
Start	26642	End	29080
Name	OJ990721_01.0103.C4.o7.gs	Method	GENSCAN
Start	26642	End	29080
GI	none	Score	.92
Exons	26642..27807, 28022..28087, 28210..28341, 28496..28582, 28672..29080		
Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o6.tw	Method	TBLASTX:Wheat
Start	5519	End	5920
GI	none	Score	179
Exons	5519..5755, 5579..5713, 5750..5920, 5803..5919		
Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o7.tw	Method	TBLASTX:Wheat
Start	11328	End	11752
GI	none	Score	147
Exons	11328..11558, 11551..11709, 11552..11752		
Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	11860	End	12289
GI	none	Score	138
Exons	11860..11988, 11861..12019, 11960..12289, 11989..12270		
Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	11978	End	12335
GI	none	Score	287
Exons	11978..12298, 11995..12267, 12032..12283, 12291..12335		
Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o5.tm	Method	TBLASTX:Maize
Start	12362	End	12747

GI	none	Score	157
Exons	12362..12541, 12363..12539, 12528..12602, 12529..12648, 12592..12636, 12637..12747		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	12420	End	12822
GI	none	Score	127
Exons	12420..12539, 12425..12538, 12528..12608, 12529..12639, 12637..12822, 12660..12788		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o10.tw	Method	TBLASTX:Wheat
Start	13278	End	13489
GI	none	Score	202
Exons	13278..13472, 13278..13472, 13316..13489		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	13574	End	13897
GI	none	Score	334
Exons	13574..13897, 13687..13887		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o3.tw	Method	TBLASTX:Wheat
Start	13711	End	14092
GI	none	Score	361
Exons	13711..14058, 13712..14092		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o5.tw	Method	TBLASTX:Wheat
Start	14096	End	14691
GI	none	Score	104
Exons	14096..14245, 14097..14162, 14098..14196, 14248..14382, 14250..14336, 14360..14428, 14464..14538, 14568..14690, 14569..14691		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o4.tw	Method	TBLASTX:Wheat
Start	15791	End	28285
GI	none	Score	165
Exons	15791..15919, 27587..27808, 27588..27767, 27596..27769, 28205..28285		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4

Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o7.tm	Method	TBLASTX:Maize
Start	17281	End	17598
GI	none	Score	111
Exons	17281..17397, 17352..17480, 17364..17483, 17419..17496, 17468..17584, 17469..17597, 17476..17598, 17476..17598		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o8.tw	Method	TBLASTX:Wheat
Start	26642	End	26819
GI	none	Score	159
Exons	26642..26818, 26658..26819, 26661..26819		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o2.tc	Method	TBLASTX:Cress
Start	26657	End	27010
GI	none	Score	92
Exons	26657..26908, 26909..27010		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	26696	End	26998
GI	none	Score	363
Exons	26696..26998, 26697..26990		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o9.tw	Method	TBLASTX:Wheat
Start	26837	End	27067
GI	none	Score	110
Exons	26837..27067, 26901..27023, 26918..27067		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	26909	End	27562
GI	none	Score	114
Exons	26909..27172, 27206..27562, 27267..27545		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	27044	End	27590
GI	none	Score	146
Exons	27044..27157, 27044..27157, 27137..27589, 27156..27590		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4

Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	27203	End	27754
GI	none	Score	190
Exons	27203..27562, 27204..27566, 27587..27754		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o6.tm	Method	TBLASTX:Maize
Start	27590	End	29056
GI	none	Score	84
Exons	27590..27679, 27591..27674, 27593..27676, 27634..27780, 27664..27780, 27671..27784, 27671..27781, 28232..28291, 28487..28582, 28697..28834, 28737..28826, 28769..28834, 28937..28960, 28950..29003, 29021..29056		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o4.np	Method	AAT/NAP
Start	38814	End	39791
GI	5091528	Score	174
Exons	38814..38976, 39104..39180, 39738..39791		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o12.gs	Method	GENSCAN
Start	39381	End	42440
GI	none	Score	.96
Exons	39381..39795, 42370..42440		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o3.tc	Method	TBLASTX:Cress
Start	39411	End	39740
GI	none	Score	61
Exons	39411..39569, 39451..39555, 39597..39740, 39598..39735		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	39426	End	39740
GI	none	Score	70
Exons	39426..39554, 39427..39531, 39556..39735, 39597..39740		

Seq. No.	13557	Seq. ID	OJ990721_01.0103.C4
Gene No.	28815	Strand	-
Start	38814	End	42440
Name	OJ990721_01.0103.C4.o8.tm	Method	TBLASTX:Maize
Start	39438	End	39740
GI	none	Score	158

Exons	39438..39524, 39597..39740		
Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28816	Strand	+
Start	1169	End	2062
Name	OJ990721_01.0103.C5.o1.np	Method	AAT/NAP
Start	1169	End	2062
GI	5042448	Score	1324
Exons	1169..1738, 1775..2062		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o2.np	Method	AAT/NAP
Start	2315	End	6874
GI	4680179	Score	7623
Exons	2315..6874		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o7.tw	Method	TBLASTX:Wheat
Start	2575	End	2938
GI	none	Score	296
Exons	2575..2937, 2579..2938, 2582..2938		
Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o6.tm	Method	TBLASTX:Maize
Start	2819	End	3151
GI	none	Score	212
Exons	2819..3151, 2819..3103, 2836..3006		
Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o7.tm	Method	TBLASTX:Maize
Start	3455	End	3775
GI	none	Score	189
Exons	3455..3775, 3508..3600		
Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o8.tw	Method	TBLASTX:Wheat
Start	3458	End	3880
GI	none	Score	159
Exons	3458..3667, 3461..3574, 3508..3606, 3689..3880, 3718..3879		
Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o4.tw	Method	TBLASTX:Wheat

Start	4033	End	4519
GI	none	Score	539
Exons	4033..4338, 4037..4519, 4148..4510		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	4049	End	4338
GI	none	Score	316
Exons	4049..4336, 4147..4338		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	4406	End	4906
GI	none	Score	161
Exons	4406..4585, 4571..4906, 4657..4788, 4658..4861, 4813..4863		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	4460	End	4855
GI	none	Score	53
Exons	4460..4492, 4460..4504, 4496..4855, 4496..4576, 4591..4854, 4751..4855		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o5.tw	Method	TBLASTX:Wheat
Start	4568	End	4870
GI	none	Score	401
Exons	4568..4870, 4569..4670, 4588..4869		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	4871	End	5380
GI	none	Score	635
Exons	4871..5380, 4903..5214, 4949..5296		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	4877	End	5122
GI	none	Score	201
Exons	4877..5122		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o2.tm	Method	TBLASTX:Maize

Start	4943	End	5308
GI	none	Score	491
Exons	4943..5296, 4945..5211, 4997..5308, 5104..5301		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	5384	End	5863
GI	none	Score	586
Exons	5384..5863, 5417..5830, 5455..5862		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	5570	End	5887
GI	none	Score	86
Exons	5570..5743, 5744..5887, 5746..5886		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	5651	End	5911
GI	none	Score	302
Exons	5651..5911, 5656..5910		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	5710	End	6001
GI	none	Score	390
Exons	5710..5997, 5711..6001		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	5870	End	6496
GI	none	Score	717
Exons	5870..6496, 5872..6495		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	6050	End	6649
GI	none	Score	222
Exons	6050..6211, 6058..6204, 6209..6649, 6211..6636		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o6.tw	Method	TBLASTX:Wheat
Start	6500	End	6817

GI	none	Score	362
Exons	6500..6817, 6524..6604, 6589..6807, 6647..6808		

Seq. No.	13558	Seq. ID	OJ990721_01.0103.C5
Gene No.	28817	Strand	+
Start	2315	End	6874
Name	OJ990721_01.0103.C5.o8.tm	Method	TBLASTX:Maize
Start	6653	End	6850
GI	none	Score	185
Exons	6653..6850		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28818	Strand	+
Start	166	End	928
Name	OJ990721_01.0103.C6.o1.gs	Method	GENSCAN
Start	166	End	928
GI	none	Score	.78
Exons	166..373, 501..576, 582..928		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28819	Strand	+
Start	2658	End	4452
Name	OJ990721_01.0103.C6.o2.gs	Method	GENSCAN
Start	2658	End	4452
GI	none	Score	.9
Exons	2658..2702, 3643..4452		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28820	Strand	+
Start	4698	End	9222
Name	OJ990721_01.0103.C6.o2.np	Method	AAT/NAP
Start	4698	End	9222
GI	4680179	Score	5326
Exons	4698..5787, 5821..9222		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28821	Strand	-
Start	1	End	354
Name	OJ990721_01.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	354
GI	6721559	Score	218
Exons	1..354		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o7.tw	Method	TBLASTX:Wheat
Start	4941	End	5301
GI	none	Score	291
Exons	4941..5300, 4942..5301		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-

Start	9911	End	10154
Name	OJ990721_01.0103.C6.o6.tm	Method	TBLASTX:Maize
Start	5182	End	5487
GI	none	Score	229
Exons	5182..5487, 5196..5312		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o7.tm	Method	TBLASTX:Maize
Start	5842	End	6165
GI	none	Score	183
Exons	5842..6165		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o8.tw	Method	TBLASTX:Wheat
Start	5848	End	6216
GI	none	Score	164
Exons	5848..6057, 5904..6056, 6102..6215, 6103..6216		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o4.tw	Method	TBLASTX:Wheat
Start	6381	End	6867
GI	none	Score	52
Exons	6381..6824, 6385..6435, 6490..6867		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o5.tm	Method	TBLASTX:Maize
Start	6396	End	6686
GI	none	Score	276
Exons	6396..6686, 6397..6684		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	6754	End	7254
GI	none	Score	171
Exons	6754..6933, 6762..6881, 6940..7254, 7005..7133		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	6808	End	7203
GI	none	Score	57
Exons	6808..6840, 6810..6839, 6844..7203, 6844..7203		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154

Name	OJ990721_01.0103.C6.o5.tw	Method	TBLASTX:Wheat
Start	6916	End	7218
GI	none	Score	373
Exons	6916..7218, 6927..7202		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o3.tw	Method	TBLASTX:Wheat
Start	7219	End	7644
GI	none	Score	602
Exons	7219..7644, 7251..7640, 7282..7644		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o3.ts	Method	TBLASTX:Soybean
Start	7225	End	7470
GI	none	Score	206
Exons	7225..7470, 7242..7370		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	7290	End	7653
GI	none	Score	482
Exons	7290..7640, 7291..7644, 7291..7653		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	7653	End	8211
GI	none	Score	651
Exons	7653..8210, 7672..8211		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	7918	End	8235
GI	none	Score	95
Exons	7918..8091, 8092..8235, 8094..8234		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	7999	End	8259
GI	none	Score	280
Exons	7999..8259, 8004..8258		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o4.tm	Method	TBLASTX:Maize

Start	8058	End	8349
GI	none	Score	100
Exons	8058..8261, 8058..8345, 8059..8349		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	8218	End	8844
GI	none	Score	666
Exons	8218..8844, 8274..8732, 8590..8841		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	8398	End	8982
GI	none	Score	205
Exons	8398..8559, 8401..8490, 8406..8552, 8557..8982, 8557..8640, 8559..8981		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o6.tw	Method	TBLASTX:Wheat
Start	8844	End	9177
GI	none	Score	322
Exons	8844..9113, 8845..9177		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o4.gs	Method	GENSCAN
Start	9911	End	10093
GI	none	Score	.78
Exons	9911..10093		

Seq. No.	13559	Seq. ID	OJ990721_01.0103.C6
Gene No.	28822	Strand	-
Start	9911	End	10154
Name	OJ990721_01.0103.C6.o3.np	Method	AAT/NAP
Start	9918	End	10154
GI	4680185	Score	223
Exons	9918..10154		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13560	Seq. ID	OJ991211_57.0228.C5
Gene No.	28823	Strand	+
Start	256	End	684
Name	OJ991211_57.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	199	End	682
GI	none	Score	519
Exons	199..477, 262..615, 264..617, 616..678, 616..681, 617..682		

Seq. No.	13560	Seq. ID	OJ991211_57.0228.C5
Gene No.	28823	Strand	+
Start	256	End	684

Name	OJ991211_57.0228.C5.o1.gp	Method	AAT/GAP
Start	256	End	684
GI	11111_1.R1084	Score	781
Exons	256..684		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	13560	Seq. ID	OJ991211_57.0228.C5
Gene No.	28823	Strand	+
Start	256	End	684
Name	OJ991211_57.0228.C5.o1.ts	Method	TBLASTX:Soybean
Start	331	End	682
GI	none	Score	227
Exons	331..615, 384..614, 617..682, 628..678		

Seq. No.	13561	Seq. ID	OJ991211_57.0228.C8
Gene No.	28824	Strand	+
Start	88	End	298
Name	OJ991211_57.0228.C8.o1.gp	Method	AAT/GAP
Start	88	End	298
GI	36879_1.R1084	Score	146
Exons	88..183, 264..298		
GI Descrip.	'4490325/emb|CAB38607.1| 7.0e-24 (AL035656) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13561	Seq. ID	OJ991211_57.0228.C8
Gene No.	28825	Strand	+
Start	6577	End	7004
Name	OJ991211_57.0228.C8.o2.gp	Method	AAT/GAP
Start	6577	End	7004
GI	4878407	Score	631
Exons	6577..7004		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	13561	Seq. ID	OJ991211_57.0228.C8
Gene No.	28826	Strand	+
Start	7372	End	7893
Name	OJ991211_57.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	83	End	2232
GI	none	Score	92
Exons	83..175, 84..182, 103..195, 470..607, 470..607, 471..608, 724..855, 724..792, 756..854, 922..1098, 940..1101, 941..1102, 941..1102, 1186..1290, 1187..1288, 1201..1290, 1371..1418, 1376..1429, 1376..1435, 2098..2154, 2160..2231, 2161..2232		

Seq. No.	13561	Seq. ID	OJ991211_57.0228.C8
Gene No.	28826	Strand	+
Start	7372	End	7893
Name	OJ991211_57.0228.C8.o1.ts	Method	TBLASTX:Soybean
Start	542	End	1104
GI	none	Score	63

Exons	542..607, 552..608, 756..851, 928..1104, 931..1101, 938..1102		
Seq. No.	13561	Seq. ID	OJ991211_57.0228.C8
Gene No.	28826	Strand	+
Start	7372	End	7893
Name	OJ991211_57.0228.C8.o1.tw	Method	TBLASTX:Wheat
Start	554	End	1291
GI	none	Score	55
Exons	554..607, 724..840, 937..1101, 938..1096, 1178..1291, 1201..1290		
Seq. No.	13561	Seq. ID	OJ991211_57.0228.C8
Gene No.	28826	Strand	+
Start	7372	End	7893
Name	OJ991211_57.0228.C8.o3.gp	Method	AAT/GAP
Start	7372	End	7893
GI	5867_1.R1084	Score	138
Exons	7372..7397, 7810..7893		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	13562	Seq. ID	OJ991211_57.0228.C10
Gene No.	28827	Strand	
Start	2	End	634
Name	OJ991211_57.0228.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	584
GI	none	Score	69
Exons	2..64, 3..239, 9..224, 555..584		
Seq. No.	13562	Seq. ID	OJ991211_57.0228.C10
Gene No.	28827	Strand	
Start	2	End	634
Name	OJ991211_57.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	3	End	634
GI	none	Score	234
Exons	3..221, 11..145, 15..146, 16..222, 555..632, 561..629, 572..634		
Seq. No.	13563	Seq. ID	OJ991211_57.0228.C13
Gene No.	28828	Strand	-
Start	1	End	269
Name	OJ991211_57.0228.C13.o1.gp	Method	AAT/GAP
Start	1	End	269
GI	LIB3477-011-P1-K1-E5	Score	538
Exons	1..269		
GI Descrip.	'1076739/pir||S53306 2.0e-11 box protein - rice >gi_508577 (L34271) box protein [Oryza sativa]'		
Seq. No.	13564	Seq. ID	OJ991211_57.0228.C17
Gene No.	28829	Strand	
Start	368	End	519
Name	OJ991211_57.0228.C17.o1.tm	Method	TBLASTX:Maize
Start	368	End	519
GI	none	Score	226

Exons	368..514, 370..513, 382..519		
Seq. No.	13565	Seq. ID	OJ991211_57.0228.C18
Gene No.	28830	Strand	
Start	271	End	486
Name	OJ991211_57.0228.C18.o1.ts	Method	TBLASTX:Soybean
Start	271	End	486
GI	none	Score	116
Exons	271..483, 273..425, 273..485, 274..486		
Seq. No.	13566	Seq. ID	OJ991211_57.0228.C24
Gene No.	28831	Strand	+
Start	1103	End	2110
Name	OJ991211_57.0228.C24.o1.tm	Method	TBLASTX:Maize
Start	31	End	2109
GI	none	Score	89
Exons	31..117, 37..111, 74..118, 800..1012, 802..1014, 820..1014, 825..1025, 1104..1211, 1106..1210, 1111..1212, 1122..1214, 1936..2109, 1940..2029, 1941..2108		
Seq. No.	13566	Seq. ID	OJ991211_57.0228.C24
Gene No.	28831	Strand	+
Start	1103	End	2110
Name	OJ991211_57.0228.C24.o1.ts	Method	TBLASTX:Soybean
Start	31	End	2109
GI	none	Score	66
Exons	31..117, 33..89, 74..133, 800..1012, 803..1003, 808..1014, 1107..1211, 1111..1212, 1936..2109, 1980..2108		
Seq. No.	13566	Seq. ID	OJ991211_57.0228.C24
Gene No.	28831	Strand	+
Start	1103	End	2110
Name	OJ991211_57.0228.C24.o1.tc	Method	TBLASTX:Cress
Start	800	End	1212
GI	none	Score	281
Exons	800..1012, 802..1014, 1104..1211, 1111..1212		
Seq. No.	13566	Seq. ID	OJ991211_57.0228.C24
Gene No.	28831	Strand	+
Start	1103	End	2110
Name	OJ991211_57.0228.C24.o1.tw	Method	TBLASTX:Wheat
Start	854	End	2013
GI	none	Score	259
Exons	854..1012, 854..1012, 856..1014, 1104..1211, 1109..1210, 1111..1212, 1936..2013, 1940..2011, 1941..2012		
Seq. No.	13566	Seq. ID	OJ991211_57.0228.C24
Gene No.	28831	Strand	+
Start	1103	End	2110
Name	OJ991211_57.0228.C24.o1.gp	Method	AAT/GAP
Start	1103	End	2110
GI	18962_2.R1084	Score	524
Exons	1103..1209, 1942..2110		
GI Descrip.	'3746882 2.0e-16 (AF086708) 26S proteasome subunit 11 [Homo sapiens]'		
Seq. No.	13566	Seq. ID	OJ991211_57.0228.C24

Gene No.	28831	Strand	+
Start	1103	End	2110
Name	OJ991211_57.0228.C24.o2.tc	Method	TBLASTX:Cress
Start	1936	End	2109
GI	none	Score	250
Exons	1936..2109, 1942..2079, 1980..2108		

Seq. No.	13567	Seq. ID	OJ991211_57.0228.C31
Gene No.	28832	Strand	-
Start	486	End	986
Name	OJ991211_57.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	2	End	776
GI	none	Score	888
Exons	2..775, 3..776		

Seq. No.	13567	Seq. ID	OJ991211_57.0228.C31
Gene No.	28832	Strand	-
Start	486	End	986
Name	OJ991211_57.0228.C31.o1.tw	Method	TBLASTX:Wheat
Start	2	End	367
GI	none	Score	128
Exons	2..367, 6..239, 8..337		

Seq. No.	13567	Seq. ID	OJ991211_57.0228.C31
Gene No.	28832	Strand	-
Start	486	End	986
Name	OJ991211_57.0228.C31.o1.ts	Method	TBLASTX:Soybean
Start	2	End	628
GI	none	Score	500
Exons	2..628, 6..626		

Seq. No.	13567	Seq. ID	OJ991211_57.0228.C31
Gene No.	28832	Strand	-
Start	486	End	986
Name	OJ991211_57.0228.C31.o2.tc	Method	TBLASTX:Cress
Start	2	End	196
GI	none	Score	108
Exons	2..196, 6..188		

Seq. No.	13567	Seq. ID	OJ991211_57.0228.C31
Gene No.	28832	Strand	-
Start	486	End	986
Name	OJ991211_57.0228.C31.o1.tc	Method	TBLASTX:Cress
Start	203	End	679
GI	none	Score	53
Exons	203..310, 207..281, 296..319, 362..508, 366..506, 412..573, 468..677, 506..679		

Seq. No.	13567	Seq. ID	OJ991211_57.0228.C31
Gene No.	28832	Strand	-
Start	486	End	986
Name	OJ991211_57.0228.C31.o1.gp	Method	AAT/GAP
Start	486	End	986
GI	none	Score	887
Exons	486..986		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32

Gene No.	28833	Strand	-
Start	7513	End	7954
Name	OJ991211_57.0228.C32.o1.gp	Method	AAT/GAP
Start	7513	End	7954
GI	uC-osf1M202092b08b1	Score	831
Exons	7513..7954		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o4.tw	Method	TBLASTX:Wheat
Start	5000	End	5181
GI	none	Score	227
Exons	5000..5149, 5000..5149, 5107..5181, 5129..5179, 5130..5180		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o2.tc	Method	TBLASTX:Cress
Start	5036	End	5614
GI	none	Score	59
Exons	5036..5107, 5041..5103, 5110..5139, 5111..5143, 5138..5419, 5142..5420, 5143..5424, 5147..5419, 5155..5421, 5425..5553, 5426..5554, 5427..5555, 5427..5558, 5556..5612, 5556..5612, 5557..5613, 5561..5614		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o5.tm	Method	TBLASTX:Maize
Start	5042	End	5194
GI	none	Score	79
Exons	5042..5083, 5042..5086, 5086..5139, 5086..5139, 5087..5146, 5125..5193, 5141..5194, 5147..5194		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o1.tw	Method	TBLASTX:Wheat
Start	5259	End	5700
GI	none	Score	640
Exons	5259..5699, 5275..5700		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o2.tm	Method	TBLASTX:Maize
Start	5653	End	5936
GI	none	Score	110
Exons	5653..5721, 5654..5719, 5655..5720, 5682..5936, 5693..5935, 5721..5936		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o3.tc	Method	TBLASTX:Cress
Start	5653	End	5990
GI	none	Score	68
Exons	5653..5706, 5655..5705, 5745..5987, 5745..5990		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o3.tw	Method	TBLASTX:Wheat
Start	6809	End	7136
GI	none	Score	473
Exons	6809..7129, 6809..7129, 6873..7136		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o1.ts	Method	TBLASTX:Soybean
Start	6914	End	8450
GI	none	Score	1230
Exons	6914..7897, 6915..7898, 7695..7904, 8125..8430, 8133..8450		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o1.tc	Method	TBLASTX:Cress
Start	6954	End	8220
GI	none	Score	80
Exons	6954..7004, 6956..7012, 6956..7012, 7109..7897, 7118..7918, 7695..7904, 8140..8220, 8148..8219		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o5.tw	Method	TBLASTX:Wheat
Start	7255	End	7371
GI	none	Score	187
Exons	7255..7371, 7256..7369		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o4.tm	Method	TBLASTX:Maize
Start	7428	End	7596
GI	none	Score	278
Exons	7428..7595, 7429..7596, 7430..7594		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o1.tm	Method	TBLASTX:Maize
Start	7597	End	8077
GI	none	Score	640
Exons	7597..8037, 7598..8041, 7695..8042, 8031..8075, 8039..8077		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o2.tw	Method	TBLASTX:Wheat
Start	7703	End	8129
GI	none	Score	195
Exons	7703..7828, 7704..7823, 7706..7825, 7830..7931, 7831..8043, 7832..8023, 7861..8025, 7958..8083, 7979..8098, 8028..8099, 8089..8127, 8093..8128, 8103..8129		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o5.tc	Method	TBLASTX:Cress
Start	8221	End	8438
GI	none	Score	155
Exons	8221..8436, 8223..8438		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o2.gp	Method	AAT/GAP
Start	10387	End	10891
GI	25929_1.R1084	Score	958
Exons	10387..10891		
GI Descrip.	'2829911 1.0e-108 (AC002291) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o3.tm	Method	TBLASTX:Maize
Start	10587	End	10874
GI	none	Score	136
Exons	10587..10793, 10590..10724, 10591..10785, 10685..10792, 10715..10750, 10833..10874		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o2.ts	Method	TBLASTX:Soybean
Start	10623	End	10793
GI	none	Score	195
Exons	10623..10793, 10624..10785		

Seq. No.	13568	Seq. ID	OJ991211_57.0228.C32
Gene No.	28834	Strand	-
Start	10387	End	10891
Name	OJ991211_57.0228.C32.o4.tc	Method	TBLASTX:Cress
Start	10623	End	10793
GI	none	Score	111
Exons	10623..10793, 10642..10785		

Seq. No.	13569	Seq. ID	OJ991211_57.0228.C33
Gene No.	28835	Strand	-
Start	360	End	3328
Name	OJ991211_57.0228.C33.o1.ts	Method	TBLASTX:Soybean

Start	355	End	2037
GI	none	Score	77
Exons	355..507, 356..487, 357..488, 361..498, 361..513, 362..505, 370..498, 415..501, 542..703, 566..904, 567..914, 573..917, 755..916, 1897..1986, 1969..2037		

Seq. No.	13569	Seq. ID	OJ991211_57.0228.C33
Gene No.	28835	Strand	-
Start	360	End	3328
Name	OJ991211_57.0228.C33.o1.gp	Method	AAT/GAP
Start	360	End	3328
GI	25929_1.R1084	Score	1715
Exons	360..501, 567..915, 1898..2202, 3222..3328		
GI Descrip.	'2829911 1.0e-108 (AC002291) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	13569	Seq. ID	OJ991211_57.0228.C33
Gene No.	28835	Strand	-
Start	360	End	3328
Name	OJ991211_57.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	370	End	2008
GI	none	Score	111
Exons	370..507, 373..507, 394..507, 398..505, 553..636, 567..914, 576..917, 661..915, 1895..2008, 1895..1990, 1897..2007		

Seq. No.	13569	Seq. ID	OJ991211_57.0228.C33
Gene No.	28836	Strand	
Start	7883	End	8592
Name	OJ991211_57.0228.C33.o2.tm	Method	TBLASTX:Maize
Start	7883	End	8592
GI	none	Score	38
Exons	7883..7909, 8010..8156, 8011..8151, 8022..8156, 8249..8539, 8260..8592		

Seq. No.	13569	Seq. ID	OJ991211_57.0228.C33
Gene No.	28836	Strand	
Start	7883	End	8592
Name	OJ991211_57.0228.C33.o2.ts	Method	TBLASTX:Soybean
Start	8025	End	8572
GI	none	Score	143
Exons	8025..8072, 8082..8156, 8263..8571, 8276..8572		

Seq. No.	13569	Seq. ID	OJ991211_57.0228.C33
Gene No.	28836	Strand	
Start	7883	End	8592
Name	OJ991211_57.0228.C33.o1.tc	Method	TBLASTX:Cress
Start	8076	End	8559
GI	none	Score	134
Exons	8076..8171, 8257..8559, 8285..8533		

Seq. No.	13569	Seq. ID	OJ991211_57.0228.C33
Gene No.	28836	Strand	
Start	7883	End	8592
Name	OJ991211_57.0228.C33.o1.tw	Method	TBLASTX:Wheat
Start	8082	End	8503
GI	none	Score	120
Exons	8082..8159, 8248..8502, 8258..8503		

Seq. No.	13569	Seq. ID	OJ991211_57.0228.C33
Gene No.	28837	Strand	
Start	12334	End	15191
Name	OJ991211_57.0228.C33.o2.tc	Method	TBLASTX:Cress
Start	12334	End	15191
GI	none	Score	97
Exons	12334..12426, 14823..14948, 14831..14950, 15021..15191, 15032..15157		

Seq. No.	13570	Seq. ID	OJ991211_57.0228.C37
Gene No.	28838	Strand	+
Start	2259	End	2440
Name	OJ991211_57.0228.C37.o1.gp	Method	AAT/GAP
Start	2259	End	2440
GI	2280887	Score	307
Exons	2259..2440		

Seq. No.	13570	Seq. ID	OJ991211_57.0228.C37
Gene No.	28839	Strand	-
Start	2589	End	5632
Name	OJ991211_57.0228.C37.o1.tm	Method	TBLASTX:Maize
Start	578	End	1065
GI	none	Score	69
Exons	578..649, 585..656, 588..656, 659..709, 666..704, 711..791, 714..791, 871..1050, 888..1064, 889..1065		

Seq. No.	13570	Seq. ID	OJ991211_57.0228.C37
Gene No.	28839	Strand	-
Start	2589	End	5632
Name	OJ991211_57.0228.C37.o1.tw	Method	TBLASTX:Wheat
Start	1420	End	1830
GI	none	Score	70
Exons	1420..1476, 1421..1477, 1481..1528, 1489..1530, 1617..1673, 1710..1829, 1711..1830		

Seq. No.	13570	Seq. ID	OJ991211_57.0228.C37
Gene No.	28839	Strand	-
Start	2589	End	5632
Name	OJ991211_57.0228.C37.o2.gp	Method	AAT/GAP
Start	2589	End	3661
GI	12151_2.R1084	Score	1773
Exons	2589..3479, 3609..3661		
GI Descrip.	'487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence'		

Seq. No.	13570	Seq. ID	OJ991211_57.0228.C37
Gene No.	28839	Strand	-
Start	2589	End	5632
Name	OJ991211_57.0228.C37.o2.tc	Method	TBLASTX:Cress
Start	2651	End	3399
GI	none	Score	112
Exons	2651..2731, 3271..3399, 3275..3394		

Seq. No.	13570	Seq. ID	OJ991211_57.0228.C37
Gene No.	28839	Strand	-
Start	2589	End	5632

Name	OJ991211_57.0228.C37.o2.tm	Method	TBLASTX:Maize
Start	2651	End	5632
GI	none	Score	103
Exons	2651..2725, 2652..2726, 3212..3394, 3271..3399, 3641..3838, 3642..3806, 3813..3920, 3815..3925, 3815..3919, 4814..4936, 4816..4911, 4823..4912, 5575..5631, 5591..5632		

Seq. No.	13570	Seq. ID	OJ991211_57.0228.C37
Gene No.	28839	Strand	-
Start	2589	End	5632
Name	OJ991211_57.0228.C37.o1.ts	Method	TBLASTX:Soybean
Start	3641	End	4915
GI	none	Score	230
Exons	3641..3919, 3642..3920, 4814..4915, 4816..4911		

Seq. No.	13570	Seq. ID	OJ991211_57.0228.C37
Gene No.	28839	Strand	-
Start	2589	End	5632
Name	OJ991211_57.0228.C37.o1.tc	Method	TBLASTX:Cress
Start	3644	End	4914
GI	none	Score	240
Exons	3644..3919, 3645..3920, 3821..3925, 4814..4909, 4816..4914		

Seq. No.	13571	Seq. ID	OJ991211_57.0228.C38
Gene No.	28840	Strand	
Start	5792	End	7276
Name	OJ991211_57.0228.C38.o1.tm	Method	TBLASTX:Maize
Start	5792	End	7276
GI	none	Score	50
Exons	5792..5866, 5873..6100, 5873..5923, 5996..6133, 6140..6199, 6365..6739, 6385..6693, 7139..7276, 7147..7245		

Seq. No.	13571	Seq. ID	OJ991211_57.0228.C38
Gene No.	28840	Strand	
Start	5792	End	7276
Name	OJ991211_57.0228.C38.o1.tc	Method	TBLASTX:Cress
Start	6365	End	6739
GI	none	Score	284
Exons	6365..6739		

Seq. No.	13571	Seq. ID	OJ991211_57.0228.C38
Gene No.	28840	Strand	
Start	5792	End	7276
Name	OJ991211_57.0228.C38.o1.ts	Method	TBLASTX:Soybean
Start	6470	End	7276
GI	none	Score	215
Exons	6470..6739, 7139..7276, 7144..7242		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28841	Strand	+
Start	12404	End	13686
Name	OJ991211_57.0228.C39.o5.gp	Method	AAT/GAP
Start	12404	End	13686
GI	uC-osf1M202123g02b1	Score	794
Exons	12404..12453, 13139..13297, 13471..13686		
GI Descrip.	'6094303/sp|P56707|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT)		

>gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine methyltransferase [Astragalus bisulcatus]'

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28842	Strand	-
Start	2479	End	2816
Name	OJ991211_57.0228.C39.o1.gp	Method	AAT/GAP
Start	2479	End	2816
GI	487298	Score	543
Exons	2479..2816		
GI Descrip.	487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28843	Strand	-
Start	3377	End	3844
Name	OJ991211_57.0228.C39.o2.gp	Method	AAT/GAP
Start	3377	End	3844
GI	52838_1.R1084	Score	902
Exons	3377..3844		
GI Descrip.	'3355632/emb|CAA07349| 2.0e-27 (AJ006957) stearoyl-acyl carrier protein desaturase [Linum usitatissimum]'		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o2.tm	Method	TBLASTX:Maize
Start	167	End	1549
GI	none	Score	141
Exons	167..367, 176..400, 179..400, 290..493, 332..493, 506..607, 611..781, 611..889, 662..844, 695..1081, 782..1132, 791..1183, 856..1182, 920..1057, 1085..1291, 1144..1368, 1193..1369, 1418..1549		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o2.tc	Method	TBLASTX:Cress
Start	176	End	1183
GI	none	Score	137
Exons	176..493, 176..418, 223..306, 332..499, 503..592, 506..691, 524..685, 542..1084, 602..778, 634..813, 665..808, 776..1081, 791..889, 863..1072, 925..1083, 1097..1183		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o1.tw	Method	TBLASTX:Wheat
Start	179	End	1189
GI	none	Score	80
Exons	179..340, 225..299, 229..300, 257..400, 350..493, 507..575, 533..625, 542..676, 599..718, 634..1020, 638..1021, 938..1189		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o3.ts	Method	TBLASTX:Soybean

Start	275	End	1315
GI	none	Score	66
Exons	275..400, 659..877, 953..1315, 976..1269		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o5.tc	Method	TBLASTX:Cress
Start	1211	End	1543
GI	none	Score	151
Exons	1211..1363, 1216..1362, 1418..1543, 1438..1542		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o1.tm	Method	TBLASTX:Maize
Start	2558	End	3648
GI	none	Score	280
Exons	2558..2590, 2657..2707, 2711..3136, 2724..3119, 3203..3646, 3205..3648		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o1.ts	Method	TBLASTX:Soybean
Start	2561	End	3648
GI	none	Score	275
Exons	2561..2590, 2657..2707, 2711..3136, 2724..3119, 3203..3613, 3205..3618, 3601..3648		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o1.tc	Method	TBLASTX:Cress
Start	2657	End	3649
GI	none	Score	234
Exons	2657..2707, 2711..3136, 2724..3119, 3203..3649, 3205..3648		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o2.tw	Method	TBLASTX:Wheat
Start	2657	End	3010
GI	none	Score	161
Exons	2657..2707, 2711..3010, 2724..3008, 2861..3010		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28844	Strand	-
Start	9933	End	10246
Name	OJ991211_57.0228.C39.o4.gp	Method	AAT/GAP
Start	9933	End	10246
GI	287036	Score	528
Exons	9933..10246		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28845	Strand	
Start	11888	End	13754

Name	OJ991211_57.0228.C39.o2.ts	Method	TBLASTX:Soybean
Start	11888	End	12280
GI	none	Score	532
Exons	11888..12280, 11905..12252		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28845	Strand	
Start	11888	End	13754
Name	OJ991211_57.0228.C39.o5.tm	Method	TBLASTX:Maize
Start	11894	End	12166
GI	none	Score	274
Exons	11894..12166, 11899..12162		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28845	Strand	
Start	11888	End	13754
Name	OJ991211_57.0228.C39.o3.tc	Method	TBLASTX:Cress
Start	11900	End	13268
GI	none	Score	292
Exons	11900..12199, 11908..12192, 12326..12433, 13146..13268		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28845	Strand	
Start	11888	End	13754
Name	OJ991211_57.0228.C39.o3.tw	Method	TBLASTX:Wheat
Start	12020	End	12430
GI	none	Score	191
Exons	12020..12214, 12020..12166, 12248..12310, 12386..12430		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28845	Strand	
Start	11888	End	13754
Name	OJ991211_57.0228.C39.o3.tm	Method	TBLASTX:Maize
Start	12203	End	12457
GI	none	Score	345
Exons	12203..12451, 12208..12453, 12247..12453, 12272..12457		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28845	Strand	
Start	11888	End	13754
Name	OJ991211_57.0228.C39.o4.ts	Method	TBLASTX:Soybean
Start	12401	End	13741
GI	none	Score	90
Exons	12401..12454, 13127..13297, 13128..13295, 13466..13741, 13469..13720, 13564..13737		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28845	Strand	
Start	11888	End	13754
Name	OJ991211_57.0228.C39.o4.tm	Method	TBLASTX:Maize
Start	13128	End	13624
GI	none	Score	281
Exons	13128..13295, 13129..13296, 13133..13297, 13135..13296, 13136..13297, 13383..13397, 13461..13622, 13466..13624, 13469..13624		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39

Gene No.	28845	Strand	
Start	11888	End	13754
Name	OJ991211_57.0228.C39.o4.tc	Method	TBLASTX:Cress
Start	13475	End	13743
GI	none	Score	269
Exons	13475..13738, 13489..13743		

Seq. No.	13572	Seq. ID	OJ991211_57.0228.C39
Gene No.	28845	Strand	
Start	11888	End	13754
Name	OJ991211_57.0228.C39.o6.tm	Method	TBLASTX:Maize
Start	13624	End	13754
GI	none	Score	205
Exons	13624..13749, 13625..13750, 13626..13751, 13626..13754		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28846	Strand	+
Start	1659	End	2175
Name	OJ991211_57.0228.C40.o1.gp	Method	AAT/GAP
Start	1659	End	2175
GI	none	Score	955
Exons	1659..2175		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28847	Strand	-
Start	10848	End	11420
Name	OJ991211_57.0228.C40.o2.gp	Method	AAT/GAP
Start	10848	End	11420
GI	31975_1.R1084	Score	1127
Exons	10848..11420		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28848	Strand	-
Start	12471	End	12919
Name	OJ991211_57.0228.C40.o3.gp	Method	AAT/GAP
Start	12471	End	12919
GI	2431484	Score	871
Exons	12471..12919		
GI Descrip.	3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28849	Strand	-
Start	15325	End	15496
Name	OJ991211_57.0228.C40.o4.gp	Method	AAT/GAP
Start	15325	End	15496
GI	uC-osf1M202062f05b1	Score	275
Exons	15325..15496		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o2.ts	Method	TBLASTX:Soybean

Start	2316	End	6117
GI	none	Score	144
Exons	2316..2492, 2369..2473, 5440..5649, 5443..5688, 5710..5817, 5859..5975, 5860..5994, 6079..6117		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o3.tm	Method	TBLASTX:Maize
Start	5430	End	6159
GI	none	Score	130
Exons	5430..5513, 5431..5571, 5521..5940, 5521..5649, 5586..5939, 5701..5940, 5935..5997, 5937..5975, 6043..6126, 6050..6157, 6052..6159, 6054..6131		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o2.tc	Method	TBLASTX:Cress
Start	5439	End	6114
GI	none	Score	675
Exons	5439..5528, 5440..5991, 5440..5649, 5601..5975, 6043..6114		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o3.tw	Method	TBLASTX:Wheat
Start	5485	End	5933
GI	none	Score	199
Exons	5485..5694, 5485..5649, 5586..5696, 5710..5814, 5719..5787, 5736..5792, 5859..5933, 5860..5931		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o1.tm	Method	TBLASTX:Maize
Start	10870	End	11783
GI	none	Score	49
Exons	10870..10902, 11002..11073, 11070..11783, 11128..11781, 11295..11783		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o3.ts	Method	TBLASTX:Soybean
Start	11166	End	11432
GI	none	Score	65
Exons	11166..11243, 11167..11247, 11244..11432, 11245..11430		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o1.tw	Method	TBLASTX:Wheat
Start	11202	End	11594
GI	none	Score	457
Exons	11202..11594, 11203..11592, 11295..11594		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o1.tc	Method	TBLASTX:Cress
Start	11383	End	12017
GI	none	Score	54
Exons	11383..11433, 11391..11432, 11436..11939, 11436..11954, 11545..11955, 11935..12015, 11949..12017		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o1.ts	Method	TBLASTX:Soybean
Start	11445	End	11924
GI	none	Score	348
Exons	11445..11912, 11445..11924, 11545..11922		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o4.tm	Method	TBLASTX:Maize
Start	11787	End	12090
GI	none	Score	282
Exons	11787..12089, 11787..12089, 11791..12090, 11791..12090		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o2.tw	Method	TBLASTX:Wheat
Start	11887	End	12084
GI	none	Score	252
Exons	11887..12084, 11889..12083		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o4.ts	Method	TBLASTX:Soybean
Start	11925	End	12504
GI	none	Score	134
Exons	11925..12080, 11935..12060, 12385..12504		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o2.tm	Method	TBLASTX:Maize
Start	12358	End	12965
GI	none	Score	265
Exons	12358..12387, 12389..12571, 12393..12587, 12394..12585, 12394..12606, 12583..12963, 12597..12965, 12597..12965		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o4.tw	Method	TBLASTX:Wheat
Start	12603	End	12749
GI	none	Score	143
Exons	12603..12749, 12603..12746, 12617..12748		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o5.tm	Method	TBLASTX:Maize
Start	13191	End	15503
GI	none	Score	219
Exons	13191..13400, 13195..13347, 13200..13400, 15288..15404, 15444..15503		

Seq. No.	13573	Seq. ID	OJ991211_57.0228.C40
Gene No.	28850	Strand	-
Start	16020	End	16191
Name	OJ991211_57.0228.C40.o5.gp	Method	AAT/GAP
Start	16020	End	16191
GI	uC-osf1M202062f05b1	Score	229
Exons	16020..16191		
GI Descrip.	'3540195 1.0e-35 (AC004260) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	13574	Seq. ID	OJ991211_49.0228.C1
Gene No.	28851	Strand	
Start	2	End	171
Name	OJ991211_49.0228.C1.o1.tc	Method	TBLASTX:Cress
Start	2	End	171
GI	none	Score	238
Exons	2..166, 3..167, 52..171		

Seq. No.	13574	Seq. ID	OJ991211_49.0228.C1
Gene No.	28851	Strand	
Start	2	End	171
Name	OJ991211_49.0228.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	166
GI	none	Score	282
Exons	2..166, 3..164		

Seq. No.	13574	Seq. ID	OJ991211_49.0228.C1
Gene No.	28851	Strand	
Start	2	End	171
Name	OJ991211_49.0228.C1.o1.ts	Method	TBLASTX:Soybean
Start	2	End	160
GI	none	Score	227
Exons	2..160, 3..158		

Seq. No.	13575	Seq. ID	OJ991211_49.0228.C2
Gene No.	28852	Strand	
Start	1	End	341
Name	OJ991211_49.0228.C2.o1.tw	Method	TBLASTX:Wheat
Start	1	End	341
GI	none	Score	145
Exons	1..117, 1..117, 64..156, 106..156, 107..157, 116..157, 142..210, 155..220, 162..182, 168..245, 168..209, 170..247, 172..252, 174..236, 227..283, 227..283, 283..339, 284..340, 285..341		

Seq. No.	13576	Seq. ID	OJ991211_49.0228.C3
Gene No.	28853	Strand	
Start	1	End	737

Name	OJ991211_49.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	736
GI	none	Score	1195
Exons	1..732, 1..717, 359..730, 671..736, 684..731		

Seq. No.	13576	Seq. ID	OJ991211_49.0228.C3
Gene No.	28853	Strand	
Start	1	End	737
Name	OJ991211_49.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	2	End	735
GI	none	Score	55
Exons	2..37, 3..38, 39..161, 40..219, 43..222, 44..220, 222..266, 222..263, 223..264, 225..371, 258..356, 262..357, 342..440, 343..540, 358..567, 473..718, 502..735, 508..717, 512..730, 684..731, 709..732		

Seq. No.	13576	Seq. ID	OJ991211_49.0228.C3
Gene No.	28853	Strand	
Start	1	End	737
Name	OJ991211_49.0228.C3.o1.tc	Method	TBLASTX:Cress
Start	292	End	737
GI	none	Score	358
Exons	292..609, 372..440, 373..621, 378..617, 631..717, 632..718, 635..730, 637..732, 708..737		

Seq. No.	13576	Seq. ID	OJ991211_49.0228.C3
Gene No.	28853	Strand	
Start	1	End	737
Name	OJ991211_49.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	324	End	630
GI	none	Score	514
Exons	324..440, 325..630, 325..630		

Seq. No.	13577	Seq. ID	OJ991211_49.0228.C4
Gene No.	28854	Strand	+
Start	1	End	916
Name	OJ991211_49.0228.C4.o1.gp	Method	AAT/GAP
Start	1	End	479
GI	688_1.R1084	Score	942
Exons	1..479		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	13577	Seq. ID	OJ991211_49.0228.C4
Gene No.	28854	Strand	+
Start	1	End	916
Name	OJ991211_49.0228.C4.o1.ts	Method	TBLASTX:Soybean
Start	1	End	596
GI	none	Score	64
Exons	1..90, 2..46, 32..238, 42..230, 46..237, 207..353, 223..357, 228..350, 232..360, 336..596, 352..594		

Seq. No.	13577	Seq. ID	OJ991211_49.0228.C4
Gene No.	28854	Strand	+
Start	1	End	916
Name	OJ991211_49.0228.C4.o2.tc	Method	TBLASTX:Cress
Start	1	End	346

GI	none	Score	56
Exons	1..45, 1..45, 2..46, 3..47, 32..235, 42..236, 43..237, 233..307, 233..346, 234..344, 235..345		

Seq. No.	13577	Seq. ID	OJ991211_49.0228.C4
Gene No.	28854	Strand	+
Start	1	End	916
Name	OJ991211_49.0228.C4.o1.tc	Method	TBLASTX:Cress
Start	359	End	916
GI	none	Score	291
Exons	359..532, 360..533, 361..540, 528..821, 529..795, 531..800, 796..885, 797..886, 799..888, 887..916		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28855	Strand	-
Start	1	End	109
Name	OJ991211_49.0228.C5.o1.gp	Method	AAT/GAP
Start	1	End	109
GI	24570_1.R1084	Score	214
Exons	1..109		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28856	Strand	-
Start	2553	End	2821
Name	OJ991211_49.0228.C5.o2.gp	Method	AAT/GAP
Start	2553	End	2821
GI	40596_1.R1084	Score	450
Exons	2553..2821		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28857	Strand	-
Start	3415	End	4660
Name	OJ991211_49.0228.C5.o3.gp	Method	AAT/GAP
Start	3415	End	4660
GI	uC-osflcyp086a01a1	Score	851
Exons	3415..3605, 4415..4660		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o9.tm	Method	TBLASTX:Maize
Start	1	End	113
GI	none	Score	182
Exons	1..111, 3..113, 3..110		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o1.ts	Method	TBLASTX:Soybean
Start	582	End	952
GI	none	Score	158
Exons	582..833, 586..831, 730..834, 820..945, 825..941, 827..952		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o2.tw	Method	TBLASTX:Wheat
Start	643	End	1039
GI	none	Score	545
Exons	643..1017, 645..1016, 1012..1038, 1013..1039		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o3.tm	Method	TBLASTX:Maize
Start	871	End	1137
GI	none	Score	358
Exons	871..1137, 873..1136		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o2.ts	Method	TBLASTX:Soybean
Start	1091	End	1537
GI	none	Score	137
Exons	1091..1339, 1092..1301, 1231..1350, 1344..1490, 1354..1497, 1388..1531, 1481..1537		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o1.tc	Method	TBLASTX:Cress
Start	1265	End	1747
GI	none	Score	35
Exons	1265..1309, 1266..1421, 1267..1428, 1416..1484, 1419..1484, 1426..1485, 1500..1733, 1503..1742, 1555..1746, 1568..1747, 1676..1747		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	1305	End	1685
GI	none	Score	387
Exons	1305..1685, 1306..1584, 1308..1685		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o4.ts	Method	TBLASTX:Soybean
Start	1560	End	2105

GI	none	Score	97
Exons	1560..1757, 1569..1736, 1574..1750, 1764..1838, 1771..1824, 1827..1940, 1831..1941, 1845..1970, 1974..2105		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o10.tm	Method	TBLASTX:Maize
Start	2164	End	2397
GI	none	Score	50
Exons	2164..2196, 2164..2196, 2165..2197, 2216..2305, 2217..2309, 2221..2316, 2292..2318, 2292..2336, 2314..2397, 2316..2390		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o2.tc	Method	TBLASTX:Cress
Start	2293	End	2840
GI	none	Score	49
Exons	2293..2343, 2298..2345, 2305..2346, 2347..2388, 2347..2385, 2348..2392, 2358..2393, 2477..2569, 2486..2569, 2487..2573, 2493..2585, 2497..2610, 2592..2636, 2661..2702, 2662..2700, 2689..2832, 2691..2840, 2691..2831		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o5.tm	Method	TBLASTX:Maize
Start	2545	End	2805
GI	none	Score	122
Exons	2545..2568, 2557..2634, 2565..2660, 2605..2805, 2625..2804, 2653..2805		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o8.tm	Method	TBLASTX:Maize
Start	2806	End	3180
GI	none	Score	68
Exons	2806..2847, 2807..2848, 2808..2849, 2845..2886, 2846..2911, 2900..2938, 2903..2941, 2914..2952, 2925..3002, 2926..3006, 2942..3001, 3000..3044, 3024..3122, 3034..3129, 3035..3130, 3071..3130, 3127..3180		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o3.ts	Method	TBLASTX:Soybean
Start	3409	End	4531
GI	none	Score	251
Exons	3409..3648, 3410..3637, 3433..3639, 3610..3681, 3615..3707, 3619..3717, 3876..3923, 3921..3971, 3929..3970, 3974..4006, 4124..4231, 4125..4232, 4145..4246, 4249..4287, 4251..4289, 4252..4290, 4300..4362, 4309..4362, 4337..4396, 4351..4401, 4393..4467, 4393..4482, 4507..4527, 4508..4531		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5

Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o4.tc	Method	TBLASTX:Cress
Start	3483	End	3671
GI	none	Score	44
Exons	3483..3536, 3484..3663, 3485..3670, 3576..3671		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o2.tm	Method	TBLASTX:Maize
Start	4011	End	4640
GI	none	Score	100
Exons	4011..4091, 4011..4106, 4012..4095, 4098..4241, 4118..4285, 4151..4288, 4165..4299, 4261..4539, 4273..4533, 4287..4541, 4529..4561, 4562..4612, 4563..4595, 4590..4637, 4596..4640		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28858	Strand	-
Start	4741	End	5191
Name	OJ991211_49.0228.C5.o4.gp	Method	AAT/GAP
Start	4741	End	5191
GI	uC-osf1cyp086a01b1	Score	902
Exons	4741..5191		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28859	Strand	
Start	5711	End	6758
Name	OJ991211_49.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	5711	End	6276
GI	none	Score	198
Exons	5711..5839, 5718..5864, 5719..5868, 5856..6170, 5857..6171, 5862..6170, 5984..6175, 6174..6239, 6175..6237, 6177..6239, 6225..6275, 6225..6275, 6238..6276, 6241..6276		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28859	Strand	
Start	5711	End	6758
Name	OJ991211_49.0228.C5.o4.tw	Method	TBLASTX:Wheat
Start	5747	End	6020
GI	none	Score	391
Exons	5747..6019, 5748..6020		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28859	Strand	
Start	5711	End	6758
Name	OJ991211_49.0228.C5.o5.ts	Method	TBLASTX:Soybean
Start	5889	End	6758
GI	none	Score	279
Exons	5889..6140, 5918..6124, 6492..6620, 6493..6618, 6494..6622, 6663..6758		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28859	Strand	
Start	5711	End	6758

Name	OJ991211_49.0228.C5.o3.tc	Method	TBLASTX:Cress
Start	5915	End	6147
GI	none	Score	237
Exons	5915..6127, 5922..6146, 5929..6147, 5931..6146		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28859	Strand	
Start	5711	End	6758
Name	OJ991211_49.0228.C5.o6.tm	Method	TBLASTX:Maize
Start	6276	End	6485
GI	none	Score	90
Exons	6276..6344, 6277..6348, 6278..6346, 6337..6393, 6347..6412, 6348..6404, 6373..6483, 6378..6485, 6387..6485		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28859	Strand	
Start	5711	End	6758
Name	OJ991211_49.0228.C5.o5.tc	Method	TBLASTX:Cress
Start	6478	End	6758
GI	none	Score	215
Exons	6478..6621, 6491..6634, 6491..6634, 6732..6758, 6732..6758		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28860	Strand	
Start	6830	End	7500
Name	OJ991211_49.0228.C5.o4.tm	Method	TBLASTX:Maize
Start	6830	End	7258
GI	none	Score	95
Exons	6830..6895, 6831..6896, 6832..6897, 6881..6940, 6882..6938, 6886..6960, 6887..6991, 6966..6995, 6996..7112, 6997..7134, 7014..7136, 7092..7154, 7092..7154, 7093..7155, 7161..7256, 7161..7241, 7163..7258, 7163..7258		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28860	Strand	
Start	6830	End	7500
Name	OJ991211_49.0228.C5.o3.tw	Method	TBLASTX:Wheat
Start	6935	End	7490
GI	none	Score	57
Exons	6935..6994, 6966..6995, 6984..7076, 6989..7075, 6997..7077, 6997..7080, 7051..7122, 7069..7110, 7071..7160, 7071..7121, 7080..7154, 7096..7167, 7159..7284, 7161..7274, 7253..7447, 7271..7411, 7300..7422, 7371..7457, 7416..7490, 7417..7485		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28860	Strand	
Start	6830	End	7500
Name	OJ991211_49.0228.C5.o7.tm	Method	TBLASTX:Maize
Start	7260	End	7500
GI	none	Score	181
Exons	7260..7397, 7271..7396, 7271..7399, 7401..7445, 7404..7457, 7406..7447, 7435..7500, 7437..7490		

Seq. No.	13578	Seq. ID	OJ991211_49.0228.C5
Gene No.	28861	Strand	
Start	7491	End	7805
Name	OJ991211_49.0228.C5.o5.tw	Method	TBLASTX:Wheat

Start	7491	End	7805
GI	none	Score	44
Exons	7491..7523, 7494..7541, 7499..7540, 7513..7542, 7533..7589, 7543..7590, 7547..7591, 7548..7592, 7579..7605, 7583..7618, 7584..7619, 7590..7697, 7591..7719, 7650..7712, 7714..7731, 7742..7792, 7743..7793, 7749..7805		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28862	Strand	+
Start	118	End	575
Name	OJ991211_49.0228.C6.o1.gp	Method	AAT/GAP
Start	118	End	575
GI	2231_2.R1084	Score	844
Exons	118..575		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28863	Strand	+
Start	671	End	1558
Name	OJ991211_49.0228.C6.o2.gp	Method	AAT/GAP
Start	671	End	1558
GI	7587_1.R1084	Score	1666
Exons	671..1558		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28864	Strand	+
Start	1665	End	1994
Name	OJ991211_49.0228.C6.o3.gp	Method	AAT/GAP
Start	1665	End	1994
GI	5607533	Score	485
Exons	1665..1994		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28865	Strand	+
Start	2725	End	2899
Name	OJ991211_49.0228.C6.o5.gp	Method	AAT/GAP
Start	2725	End	2899
GI	306_9.R1084	Score	238
Exons	2725..2899		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	1481
GI	none	Score	878
Exons	1..807, 2..466, 313..909, 317..901, 515..1198, 522..1199,		

958..1215, 974..1216, 1189..1410, 1199..1411, 1199..1411, 1200..1415, 1452..1481

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1444
GI	none	Score	909
Exons	1..804, 2..895, 2..466, 300..467, 313..909, 507..1193, 515..1198, 522..1199, 958..1212, 968..1213, 1189..1407, 1197..1412, 1199..1444, 1199..1426		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o2.tm	Method	TBLASTX:Maize
Start	12	End	463
GI	none	Score	754
Exons	12..263, 14..463, 15..461		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o2.tw	Method	TBLASTX:Wheat
Start	116	End	514
GI	none	Score	576
Exons	116..466, 117..467, 313..513, 317..514		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	499	End	985
GI	none	Score	629
Exons	499..906, 500..895, 504..983, 515..985, 522..983		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o1.tw	Method	TBLASTX:Wheat
Start	515	End	1146
GI	none	Score	614
Exons	515..901, 515..1048, 522..1049, 693..731, 949..1053, 955..1068, 968..1069, 1012..1146, 1029..1145, 1048..1146		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o3.tm	Method	TBLASTX:Maize
Start	986	End	1447
GI	none	Score	386
Exons	986..1198, 987..1199, 988..1200, 1179..1418, 1189..1419, 1201..1404, 1415..1447, 1416..1445		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-

Start	1876	End	2334
Name	OJ991211_49.0228.C6.o3.tw	Method	TBLASTX:Wheat
Start	1148	End	1510
GI	none	Score	94
Exons	1148..1198, 1149..1199, 1149..1199, 1179..1445, 1189..1452, 1200..1445, 1416..1499, 1438..1509, 1439..1510		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o4.tm	Method	TBLASTX:Maize
Start	1684	End	2314
GI	none	Score	77
Exons	1684..1773, 1685..1732, 1744..1782, 1871..1969, 1885..1971, 1886..1969, 1890..1988, 1926..2240, 1936..2241, 1970..2242, 1972..2244, 2255..2299, 2260..2298, 2273..2314		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o2.tc	Method	TBLASTX:Cress
Start	1685	End	2214
GI	none	Score	45
Exons	1685..1723, 1764..1832, 1795..1827, 1893..1940, 1893..1922, 1985..2209, 1990..2214, 1990..2202, 1991..2203, 1998..2213		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o4.gp	Method	AAT/GAP
Start	1876	End	2334
GI	45273_1.R1084	Score	846
Exons	1876..2334		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28866	Strand	-
Start	1876	End	2334
Name	OJ991211_49.0228.C6.o2.ts	Method	TBLASTX:Soybean
Start	1891	End	2214
GI	none	Score	44
Exons	1891..1938, 1982..2206, 1990..2214, 1990..2202		

Seq. No.	13579	Seq. ID	OJ991211_49.0228.C6
Gene No.	28867	Strand	
Start	2712	End	3079
Name	OJ991211_49.0228.C6.o5.tm	Method	TBLASTX:Maize
Start	2712	End	3079
GI	none	Score	44
Exons	2712..2738, 2862..2939, 2866..3021, 2868..3023, 2869..3024, 3017..3076, 3020..3079		

Seq. No.	13580	Seq. ID	OJ991211_49.0228.C7
Gene No.	28868	Strand	
Start	393	End	665
Name	OJ991211_49.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	393	End	665

GI	none	Score	86
Exons	393..461, 394..483, 443..547, 580..663, 581..664, 582..665	451..588, 451..591, 453..632,	

Seq. No.	13581	Seq. ID	OJ991211_49.0228.C8
Gene No.	28869	Strand	+
Start	1794	End	1905
Name	OJ991211_49.0228.C8.o1.gp	Method	AAT/GAP
Start	1794	End	1905
GI	1036999	Score	198
Exons	1794..1905		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	13581	Seq. ID	OJ991211_49.0228.C8
Gene No.	28870	Strand	+
Start	1979	End	2078
Name	OJ991211_49.0228.C8.o1.tc	Method	TBLASTX:Cress
Start	971	End	1108
GI	none	Score	191
Exons	971..1108, 971..1108		

Seq. No.	13581	Seq. ID	OJ991211_49.0228.C8
Gene No.	28870	Strand	+
Start	1979	End	2078
Name	OJ991211_49.0228.C8.o2.tm	Method	TBLASTX:Maize
Start	977	End	1243
GI	none	Score	250
Exons	977..1141, 977..1159, 978..1160, 1000..1167, 1205..1243		

Seq. No.	13581	Seq. ID	OJ991211_49.0228.C8
Gene No.	28870	Strand	+
Start	1979	End	2078
Name	OJ991211_49.0228.C8.o1.ts	Method	TBLASTX:Soybean
Start	1722	End	2036
GI	none	Score	59
Exons	1722..1802, 1739..1846, 1868..1897, 1908..2036, 1914..2024		

Seq. No.	13581	Seq. ID	OJ991211_49.0228.C8
Gene No.	28870	Strand	+
Start	1979	End	2078
Name	OJ991211_49.0228.C8.o2.tc	Method	TBLASTX:Cress
Start	1752	End	2078
GI	none	Score	41
Exons	1752..1802, 1755..1802, 1800..1871, 1868..1915, 1905..2051, 1907..2026, 1917..2078		

Seq. No.	13581	Seq. ID	OJ991211_49.0228.C8
Gene No.	28870	Strand	+
Start	1979	End	2078
Name	OJ991211_49.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	1829	End	2078
GI	none	Score	79
Exons	1829..1870, 1830..1871, 1845..1916, 1864..1911, 1901..2077, 1905..2078		

Seq. No.	13581	Seq. ID	OJ991211_49.0228.C8
Gene No.	28870	Strand	+

Start	1979	End	2078
Name	OJ991211_49.0228.C8.o1.tw	Method	TBLASTX:Wheat
Start	1868	End	2066
GI	none	Score	50
Exons	1868..1915, 1869..1916, 1905..2066, 1907..2026, 1917..2060		

Seq. No.	13581	Seq. ID	OJ991211_49.0228.C8
Gene No.	28870	Strand	+
Start	1979	End	2078
Name	OJ991211_49.0228.C8.o2.gp	Method	AAT/GAP
Start	1979	End	2078
GI	LIB3432-021-P1-K1-A3	Score	159
Exons	1979..2078		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28871	Strand	-
Start	2036	End	2166
Name	OJ991211_49.0228.C9.o6.tm	Method	TBLASTX:Maize
Start	1	End	229
GI	none	Score	167
Exons	1..111, 2..112, 2..112, 104..148, 107..151, 134..223, 140..229, 180..227		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28871	Strand	-
Start	2036	End	2166
Name	OJ991211_49.0228.C9.o1.tw	Method	TBLASTX:Wheat
Start	11	End	526
GI	none	Score	37
Exons	11..34, 12..32, 35..115, 46..111, 47..178, 86..166, 270..365, 275..352, 343..384, 477..518, 479..526		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28871	Strand	-
Start	2036	End	2166
Name	OJ991211_49.0228.C9.o9.ts	Method	TBLASTX:Soybean
Start	598	End	735
GI	none	Score	128
Exons	598..726, 613..735		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28871	Strand	-
Start	2036	End	2166
Name	OJ991211_49.0228.C9.o1.gp	Method	AAT/GAP
Start	2036	End	2166
GI	5607624	Score	215
Exons	2036..2166		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28872	Strand	
Start	2088	End	2745
Name	OJ991211_49.0228.C9.o6.tc	Method	TBLASTX:Cress
Start	2088	End	2658

GI	none	Score	38
Exons	2088..2123, 2093..2122, 2140..2214, 2141..2215, 2265..2537, 2273..2539, 2273..2536, 2275..2538, 2540..2656, 2541..2651, 2551..2658, 2551..2658		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28872	Strand	
Start	2088	End	2745
Name	OJ991211_49.0228.C9.o7.ts	Method	TBLASTX:Soybean
Start	2135	End	2538
GI	none	Score	52
Exons	2135..2239, 2152..2226, 2154..2249, 2243..2536, 2245..2538		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28872	Strand	
Start	2088	End	2745
Name	OJ991211_49.0228.C9.o1.tm	Method	TBLASTX:Maize
Start	2153	End	2551
GI	none	Score	542
Exons	2153..2551, 2155..2550		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28872	Strand	
Start	2088	End	2745
Name	OJ991211_49.0228.C9.o2.tm	Method	TBLASTX:Maize
Start	2552	End	2745
GI	none	Score	304
Exons	2552..2737, 2553..2738, 2554..2742, 2554..2745		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28873	Strand	
Start	2738	End	3734
Name	OJ991211_49.0228.C9.o4.tc	Method	TBLASTX:Cress
Start	2738	End	3099
GI	none	Score	483
Exons	2738..3097, 2740..3099, 2740..3054, 2754..3098		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28873	Strand	
Start	2738	End	3734
Name	OJ991211_49.0228.C9.o2.ts	Method	TBLASTX:Soybean
Start	2780	End	3611
GI	none	Score	568
Exons	2780..3184, 2782..3054, 2784..3185, 3044..3190, 3185..3334, 3186..3341, 3208..3351, 3355..3609, 3367..3609, 3380..3610, 3393..3611		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28873	Strand	
Start	2738	End	3734
Name	OJ991211_49.0228.C9.o7.tc	Method	TBLASTX:Cress
Start	3100	End	3466
GI	none	Score	88
Exons	3100..3180, 3100..3147, 3107..3184, 3107..3190, 3108..3224, 3164..3346, 3185..3334, 3189..3347, 3190..3351, 3208..3351, 3355..3462, 3355..3462, 3374..3463, 3380..3466, 3408..3464		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28873	Strand	
Start	2738	End	3734
Name	OJ991211_49.0228.C9.o12.tc	Method	TBLASTX:Cress
Start	3487	End	3734
GI	none	Score	49
Exons	3487..3537, 3497..3538, 3509..3544, 3539..3628, 3539..3580, 3541..3618, 3629..3661, 3660..3734, 3692..3733		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28874	Strand	
Start	3708	End	4252
Name	OJ991211_49.0228.C9.o4.ts	Method	TBLASTX:Soybean
Start	3708	End	4252
GI	none	Score	227
Exons	3708..3887, 3716..3868, 3718..3888, 3718..3897, 3731..3898, 3850..4032, 3865..4032, 3869..4054, 4025..4063, 4074..4211, 4078..4230, 4078..4212, 4079..4252, 4085..4249		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28874	Strand	
Start	3708	End	4252
Name	OJ991211_49.0228.C9.o8.tc	Method	TBLASTX:Cress
Start	3792	End	3994
GI	none	Score	160
Exons	3792..3992, 3799..3993, 3799..3993, 3800..3994, 3800..3994		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28875	Strand	
Start	4452	End	5257
Name	OJ991211_49.0228.C9.o6.ts	Method	TBLASTX:Soybean
Start	4452	End	4867
GI	none	Score	105
Exons	4452..4679, 4457..4681, 4459..4677, 4696..4824, 4696..4830, 4700..4834, 4701..4844, 4831..4866, 4832..4867		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28875	Strand	
Start	4452	End	5257
Name	OJ991211_49.0228.C9.o5.tm	Method	TBLASTX:Maize
Start	4645	End	5248
GI	none	Score	153
Exons	4645..4884, 4700..4987, 5057..5248		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28875	Strand	
Start	4452	End	5257
Name	OJ991211_49.0228.C9.o9.tc	Method	TBLASTX:Cress
Start	4700	End	5257
GI	none	Score	155
Exons	4700..4987, 4738..4884, 5057..5257, 5149..5256		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28876	Strand	
Start	5170	End	5986
Name	OJ991211_49.0228.C9.o1.ts	Method	TBLASTX:Soybean
Start	5170	End	5986

GI	none	Score	437
Exons	5170..5382, 5171..5503, 5243..5530, 5358..5531, 5512..5631, 5529..5981, 5531..5986, 5532..5981, 5572..5985		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28876	Strand	
Start	5170	End	5986
Name	OJ991211_49.0228.C9.o5.tc	Method	TBLASTX:Cress
Start	5270	End	5669
GI	none	Score	323
Exons	5270..5509, 5276..5509, 5367..5531, 5538..5669, 5540..5668		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28877	Strand	
Start	5890	End	6059
Name	OJ991211_49.0228.C9.o7.tm	Method	TBLASTX:Maize
Start	5890	End	6059
GI	none	Score	85
Exons	5890..5937, 5892..5945, 5898..5939, 5938..6003, 5939..6007, 5940..6005, 6014..6055, 6016..6057, 6024..6059		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28878	Strand	
Start	5964	End	6757
Name	OJ991211_49.0228.C9.o10.tc	Method	TBLASTX:Cress
Start	5964	End	6245
GI	none	Score	270
Exons	5964..6245, 5971..6117, 5972..6190, 6154..6240		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28878	Strand	
Start	5964	End	6757
Name	OJ991211_49.0228.C9.o8.ts	Method	TBLASTX:Soybean
Start	6071	End	6524
GI	none	Score	43
Exons	6071..6130, 6102..6131, 6132..6257, 6132..6206, 6228..6332, 6245..6484, 6254..6439, 6267..6479, 6480..6524, 6483..6521		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28878	Strand	
Start	5964	End	6757
Name	OJ991211_49.0228.C9.o3.tc	Method	TBLASTX:Cress
Start	6334	End	6757
GI	none	Score	52
Exons	6334..6381, 6335..6439, 6351..6755, 6390..6755, 6418..6756, 6488..6757		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28879	Strand	
Start	6767	End	7511
Name	OJ991211_49.0228.C9.o1.tc	Method	TBLASTX:Cress
Start	6767	End	7511
GI	none	Score	664
Exons	6767..7207, 6768..7214, 7261..7509, 7275..7511, 7277..7510		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28879	Strand	

Start	6767	End	7511
Name	OJ991211_49.0228.C9.o5.ts	Method	TBLASTX:Soybean
Start	7041	End	7483
GI	none	Score	218
Exons	7041..7208, 7057..7206, 7072..7209, 7076..7207, 7249..7479, 7259..7396, 7266..7481, 7277..7483, 7279..7482		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28879	Strand	
Start	6767	End	7511
Name	OJ991211_49.0228.C9.o3.tm	Method	TBLASTX:Maize
Start	7152	End	7485
GI	none	Score	82
Exons	7152..7208, 7153..7209, 7154..7207, 7249..7485, 7259..7396, 7266..7484, 7279..7485		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28880	Strand	
Start	7484	End	8271
Name	OJ991211_49.0228.C9.o3.ts	Method	TBLASTX:Soybean
Start	7484	End	8271
GI	none	Score	99
Exons	7484..7558, 7488..7562, 7491..7562, 7687..7734, 7691..7735, 7753..7785, 7783..8271, 7784..8143, 7785..8270		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28880	Strand	
Start	7484	End	8271
Name	OJ991211_49.0228.C9.o4.tm	Method	TBLASTX:Maize
Start	7487	End	7983
GI	none	Score	140
Exons	7487..7588, 7488..7592, 7488..7589, 7687..7734, 7691..7735, 7753..7785, 7783..7983, 7785..7982		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28880	Strand	
Start	7484	End	8271
Name	OJ991211_49.0228.C9.o11.tc	Method	TBLASTX:Cress
Start	7523	End	7875
GI	none	Score	81
Exons	7523..7588, 7524..7580, 7696..7746, 7700..7747, 7786..7875, 7788..7874		

Seq. No.	13582	Seq. ID	OJ991211_49.0228.C9
Gene No.	28880	Strand	
Start	7484	End	8271
Name	OJ991211_49.0228.C9.o2.tc	Method	TBLASTX:Cress
Start	7878	End	8271
GI	none	Score	595
Exons	7878..8270, 7879..8271		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28881	Strand	+
Start	4988	End	5529
Name	OJ991211_49.0228.C10.o2.gp	Method	AAT/GAP
Start	4988	End	5529
GI	42732_1.R1084	Score	1061

Exons	4988..5529		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28882	Strand	+
Start	5570	End	5940
Name	OJ991211_49.0228.C10.o3.gp	Method	AAT/GAP
Start	5570	End	5940
GI	LIB3477-011-P1-K1-C10	Score	726
Exons	5570..5940		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28883	Strand	+
Start	8839	End	9385
Name	OJ991211_49.0228.C10.o6.gp	Method	AAT/GAP
Start	8839	End	9385
GI	5005311	Score	1047
Exons	8839..9385		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28884	Strand	+
Start	9954	End	10370
Name	OJ991211_49.0228.C10.o7.gp	Method	AAT/GAP
Start	9954	End	10370
GI	LIB3431-040-P1-K2-C1	Score	726
Exons	9954..10370		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28885	Strand	-
Start	937	End	1022
Name	OJ991211_49.0228.C10.o1.gp	Method	AAT/GAP
Start	937	End	1022
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	937..1022		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2		

[Oryza sativa]'

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28886	Strand	-
Start	6605	End	7645
Name	OJ991211_49.0228.C10.o4.gp	Method	AAT/GAP
Start	6605	End	7645
GI	2721_1.R1084	Score	1986
Exons	6605..7645		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28887	Strand	-
Start	7683	End	8228
Name	OJ991211_49.0228.C10.o5.gp	Method	AAT/GAP
Start	7683	End	8228
GI	2135_1.R1084	Score	1072
Exons	7683..8228		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o4.ts	Method	TBLASTX:Soybean
Start	3	End	1995
GI	none	Score	43
Exons	3..38, 34..159, 35..184, 36..164, 171..923, 184..924, 185..931, 395..925, 924..1079, 928..984, 931..1080, 938..1081, 939..1142, 1050..1220, 1075..1218, 1091..1219, 1646..1930, 1647..1928, 1720..1995		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o3.tw	Method	TBLASTX:Wheat
Start	119	End	564
GI	none	Score	634
Exons	119..562, 120..563, 120..563, 121..564, 121..564		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o7.tc	Method	TBLASTX:Cress
Start	264	End	680
GI	none	Score	521
Exons	264..674, 265..678, 270..680		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o11.tc	Method	TBLASTX:Cress
Start	695	End	1210

GI	none	Score	225
Exons	695..913, 696..932, 696..917, 954..1208, 1019..1201, 1064..1210		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o10.tm	Method	TBLASTX:Maize
Start	1190	End	1551
GI	none	Score	138
Exons	1190..1312, 1197..1337, 1199..1312, 1206..1313, 1209..1283, 1210..1257, 1211..1282, 1219..1284, 1227..1283, 1233..1343, 1237..1335, 1241..1288, 1242..1337, 1242..1343, 1246..1347, 1272..1346, 1275..1334, 1279..1365, 1279..1386, 1300..1386, 1318..1374, 1321..1374, 1327..1425, 1327..1374, 1327..1425, 1327..1374, 1369..1533, 1369..1533, 1375..1530, 1393..1548, 1396..1530, 1404..1448, 1411..1551, 1411..1434, 1432..1464, 1438..1503, 1452..1496, 1453..1503, 1455..1532, 1456..1542, 1461..1505, 1489..1551		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o3.tm	Method	TBLASTX:Maize
Start	1552	End	2362
GI	none	Score	46
Exons	1552..1590, 1585..1950, 1617..2264, 1617..1949, 1643..2263, 1997..2266, 2247..2360, 2253..2360, 2260..2361, 2261..2362		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o15.tc	Method	TBLASTX:Cress
Start	1594	End	1892
GI	none	Score	66
Exons	1594..1701, 1617..1892, 1617..1889, 1646..1891		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o1.tw	Method	TBLASTX:Wheat
Start	1817	End	2435
GI	none	Score	42
Exons	1817..1888, 1828..1866, 1830..1889, 1854..2114, 1860..1946, 1861..2022, 2015..2263, 2016..2270, 2247..2435, 2253..2396, 2261..2434		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o10.tc	Method	TBLASTX:Cress
Start	1893	End	2599
GI	none	Score	55
Exons	1893..1928, 1927..2016, 1935..2012, 2004..2255, 2033..2257, 2038..2250, 2264..2599, 2264..2395, 2453..2590, 2454..2591, 2455..2598		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10

Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o1.tc	Method	TBLASTX:Cress
Start	2669	End	3814
GI	none	Score	47
Exons	2669..2725, 2677..2769, 2831..2887, 2834..2878, 2882..2956, 2890..2946, 2968..3693, 2969..3700, 3497..3700, 3621..3719, 3758..3814, 3760..3813		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o3.ts	Method	TBLASTX:Soybean
Start	2804	End	3879
GI	none	Score	143
Exons	2804..2959, 2825..2959, 2968..3345, 2968..3693, 2969..3760, 3629..3757, 3630..3761, 3740..3802, 3747..3815, 3747..3815, 3760..3819, 3772..3879		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o12.tm	Method	TBLASTX:Maize
Start	3074	End	3211
GI	none	Score	215
Exons	3074..3211, 3074..3211		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o7.tm	Method	TBLASTX:Maize
Start	3400	End	3694
GI	none	Score	67
Exons	3400..3489, 3408..3455, 3436..3693, 3437..3694		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o4.tw	Method	TBLASTX:Wheat
Start	3451	End	3859
GI	none	Score	632
Exons	3451..3858, 3455..3859, 3494..3859		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o5.tm	Method	TBLASTX:Maize
Start	3695	End	4355
GI	none	Score	276
Exons	3695..3868, 3696..3866, 3697..3906, 3760..3867, 3863..3895, 3901..3942, 3907..3942, 3950..4015, 3950..4015, 4007..4099, 4015..4077, 4017..4100, 4139..4315, 4149..4334, 4152..4334, 4207..4335, 4329..4355, 4329..4355		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939

Name	OJ991211_49.0228.C10.o5.tc	Method	TBLASTX:Cress
Start	4014	End	4636
GI	none	Score	35
Exons	4014..4034, 4015..4032, 4149..4523, 4151..4525, 4152..4526, 4521..4634, 4522..4635, 4523..4636		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o2.ts	Method	TBLASTX:Soybean
Start	4016	End	9693
GI	none	Score	530
Exons	4016..4039, 4147..4845, 4149..4838, 4151..4867, 4152..4862, 4420..4872, 4878..4919, 5066..5371, 5103..5369, 5103..5399, 5104..5403, 5356..5505, 5372..5851, 5373..5702, 5399..5887, 5737..5907, 6484..6546, 6571..6639, 6616..6903, 6629..6901, 6761..6907, 6928..6996, 7332..7511, 7336..7512, 7336..7512, 7341..7514, 7592..7615, 7603..7662, 7605..7676, 7608..7661, 7609..7662, 7668..7721, 7669..7722, 7672..7719, 7707..7760, 7709..7792, 7729..7800, 7753..7797, 7800..7859, 7819..7866, 7819..7860, 7888..7956, 7891..7962, 7898..7957, 8047..8064, 8146..8187, 8153..8182, 8223..8723, 8227..8721, 8743..8778, 8783..9346, 8794..9693, 8973..9626, 9457..9627, 9624..9692		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o6.tm	Method	TBLASTX:Maize
Start	4356	End	4640
GI	none	Score	475
Exons	4356..4640, 4356..4640		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o8.tc	Method	TBLASTX:Cress
Start	5092	End	5603
GI	none	Score	58
Exons	5092..5142, 5099..5140, 5130..5369, 5143..5403, 5145..5435, 5359..5577, 5359..5577, 5372..5602, 5373..5603		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o8.tm	Method	TBLASTX:Maize
Start	5498	End	5760
GI	none	Score	322
Exons	5498..5758, 5498..5704, 5500..5760, 5533..5760		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o9.tm	Method	TBLASTX:Maize
Start	5761	End	6104
GI	none	Score	172
Exons	5761..5883, 5762..5878, 5766..5882, 5767..5883, 5870..6004, 5876..6019, 5878..6048, 5895..6032, 6013..6036, 6035..6076,		

6036..6077, 6079..6102, 6081..6104

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o4.tm	Method	TBLASTX:Maize
Start	6191	End	7126
GI	none	Score	186
Exons	6191..6358, 6206..6235, 6228..6359, 6324..6359, 6335..6415, 6368..6466, 6397..6468, 6407..6469, 6443..6535, 6468..6539, 6469..6540, 6471..6539, 6544..6585, 6544..6582, 6571..6627, 6572..6628, 6581..6628, 6589..6630, 6609..6695, 6620..6991, 6622..6990, 6760..7014, 6998..7042, 7000..7044, 7028..7126, 7041..7124, 7043..7126		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o14.tc	Method	TBLASTX:Cress
Start	6595	End	6901
GI	none	Score	328
Exons	6595..6891, 6596..6901, 6761..6901		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o2.tm	Method	TBLASTX:Maize
Start	7129	End	8795
GI	none	Score	200
Exons	7129..7293, 7129..7230, 7221..7253, 7266..7580, 7278..7580, 7279..7581, 7286..7582, 7540..7665, 7550..7663, 7552..7665, 7665..7757, 7666..7782, 7666..7794, 7673..7804, 7744..7890, 7786..7890, 7800..7895, 7883..7960, 7884..7964, 7891..7968, 7921..8031, 7924..8037, 7952..8053, 7975..8190, 8011..8136, 8036..8182, 8139..8225, 8193..8723, 8212..8733, 8452..8733, 8728..8781, 8728..8787, 8733..8795		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o2.tc	Method	TBLASTX:Cress
Start	7395	End	9294
GI	none	Score	129
Exons	7395..7493, 7404..7493, 8319..8693, 8319..8723, 8320..8730, 8783..9280, 8797..9294, 8973..9293		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o5.tw	Method	TBLASTX:Wheat
Start	7512	End	7989
GI	none	Score	183
Exons	7512..7628, 7513..7632, 7513..7632, 7629..7676, 7629..7667, 7665..7757, 7666..7788, 7667..7789, 7763..7873, 7791..7874, 7792..7875, 7792..7872, 7872..7958, 7875..7955, 7876..7962, 7885..7989, 7952..7987		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o2.tw	Method	TBLASTX:Wheat
Start	8211	End	8656
GI	none	Score	120
Exons	8211..8297, 8212..8295, 8225..8305, 8229..8297, 8301..8651, 8303..8641, 8306..8656		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o11.tm	Method	TBLASTX:Maize
Start	8839	End	9152
GI	none	Score	260
Exons	8839..9150, 8976..9020, 9081..9152		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o16.tc	Method	TBLASTX:Cress
Start	9303	End	9569
GI	none	Score	193
Exons	9303..9569, 9304..9561		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o13.tc	Method	TBLASTX:Cress
Start	9652	End	9895
GI	none	Score	299
Exons	9652..9837, 9654..9836, 9830..9895, 9838..9894		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o5.ts	Method	TBLASTX:Soybean
Start	9842	End	10343
GI	none	Score	647
Exons	9842..10336, 9843..10046, 9844..10299, 10098..10343		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o13.tm	Method	TBLASTX:Maize
Start	9844	End	10021
GI	none	Score	204
Exons	9844..10020, 9845..10021		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o6.tc	Method	TBLASTX:Cress
Start	9897	End	10546
GI	none	Score	289
Exons	9897..10046, 9898..10341, 9898..10299, 9899..10342, 9902..10342, 10107..10343, 10470..10535, 10474..10545, 10474..10542,		

10475..10546

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o9.tc	Method	TBLASTX:Cress
Start	10803	End	11482
GI	none	Score	66
Exons	10803..10856, 10803..10859, 10804..10887, 10805..10885, 10940..11113, 10946..11107, 11127..11258, 11162..11230, 11372..11482, 11398..11481		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o1.ts	Method	TBLASTX:Soybean
Start	11130	End	12645
GI	none	Score	117
Exons	11130..11276, 11162..11227, 11348..12610, 11349..11861, 11398..12645, 11398..12645		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	11148	End	12939
GI	none	Score	164
Exons	11148..11246, 11162..11245, 11247..11264, 11248..11274, 11249..11293, 11279..11359, 11307..11363, 11322..11363, 11357..12610, 11361..11861, 11366..12901, 11386..12798, 11398..12903, 12567..12902, 12853..12939		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o3.tc	Method	TBLASTX:Cress
Start	11524	End	12073
GI	none	Score	266
Exons	11524..11691, 11525..11689, 11685..11861, 11688..12071, 11690..12070, 11692..12072, 11693..12073		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o4.tc	Method	TBLASTX:Cress
Start	12074	End	12606
GI	none	Score	723
Exons	12074..12595, 12075..12206, 12076..12597, 12076..12606		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o8.gp	Method	AAT/GAP
Start	12604	End	12903
GI	uC-osflcyp021g10b1	Score	521
Exons	12604..12903		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700		

CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o12.tc	Method	TBLASTX:Cress
Start	12611	End	12923
GI	none	Score	196
Exons	12611..12898, 12612..12899, 12613..12798, 12613..12900, 12647..12799, 12843..12923		

Seq. No.	13583	Seq. ID	OJ991211_49.0228.C10
Gene No.	28888	Strand	-
Start	12604	End	12939
Name	OJ991211_49.0228.C10.o6.ts	Method	TBLASTX:Soybean
Start	12646	End	12901
GI	none	Score	163
Exons	12646..12798, 12646..12900, 12647..12799, 12843..12896, 12848..12901		

Seq. No.	13584	Seq. ID	OJ991211_49.0228.C11
Gene No.	28889	Strand	
Start	1	End	1067
Name	OJ991211_49.0228.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	466
GI	none	Score	408
Exons	1..66, 20..334, 43..336, 44..316, 339..464, 340..465, 340..465, 341..466		

Seq. No.	13584	Seq. ID	OJ991211_49.0228.C11
Gene No.	28889	Strand	
Start	1	End	1067
Name	OJ991211_49.0228.C11.o2.ts	Method	TBLASTX:Soybean
Start	1	End	110
GI	none	Score	140
Exons	1..108, 2..109, 5..109, 6..110		

Seq. No.	13584	Seq. ID	OJ991211_49.0228.C11
Gene No.	28889	Strand	
Start	1	End	1067
Name	OJ991211_49.0228.C11.o2.tm	Method	TBLASTX:Maize
Start	129	End	275
GI	none	Score	245
Exons	129..275, 130..273		

Seq. No.	13584	Seq. ID	OJ991211_49.0228.C11
Gene No.	28889	Strand	
Start	1	End	1067
Name	OJ991211_49.0228.C11.o1.ts	Method	TBLASTX:Soybean
Start	359	End	1067
GI	none	Score	47
Exons	359..445, 486..599, 492..563, 603..683, 727..927, 750..920, 845..1063, 846..1067		

Seq. No.	13584	Seq. ID	OJ991211_49.0228.C11
Gene No.	28889	Strand	
Start	1	End	1067
Name	OJ991211_49.0228.C11.o2.tc	Method	TBLASTX:Cress
Start	480	End	1012
GI	none	Score	74
Exons	480..572, 486..599, 540..578, 609..683, 750..914, 750..920, 751..927, 845..1012, 846..1004		

Seq. No.	13584	Seq. ID	OJ991211_49.0228.C11
Gene No.	28889	Strand	
Start	1	End	1067
Name	OJ991211_49.0228.C11.o1.tm	Method	TBLASTX:Maize
Start	486	End	1067
GI	none	Score	58
Exons	486..599, 495..572, 603..683, 750..917, 750..920, 751..927, 845..1063, 846..1067		

Seq. No.	13585	Seq. ID	OJ991211_49.0228.C12
Gene No.	28890	Strand	+
Start	995	End	1475
Name	OJ991211_49.0228.C12.o1.tc	Method	TBLASTX:Cress
Start	4	End	1155
GI	none	Score	138
Exons	4..90, 6..125, 6..89, 7..90, 84..155, 93..146, 98..157, 100..159, 184..285, 185..283, 186..368, 193..369, 323..370, 384..428, 388..546, 389..496, 436..552, 441..572, 443..550, 568..630, 569..676, 594..662, 631..699, 632..703, 632..700, 695..775, 696..776, 696..776, 700..777, 796..867, 824..922, 831..908, 832..915, 1031..1060, 1036..1062, 1036..1062, 1060..1155, 1069..1155		

Seq. No.	13585	Seq. ID	OJ991211_49.0228.C12
Gene No.	28890	Strand	+
Start	995	End	1475
Name	OJ991211_49.0228.C12.o1.ts	Method	TBLASTX:Soybean
Start	803	End	1381
GI	none	Score	135
Exons	803..922, 812..922, 814..924, 1030..1068, 1083..1175, 1100..1156, 1183..1287, 1183..1260, 1294..1320, 1295..1321, 1314..1379, 1315..1380, 1316..1381		

Seq. No.	13585	Seq. ID	OJ991211_49.0228.C12
Gene No.	28890	Strand	+
Start	995	End	1475
Name	OJ991211_49.0228.C12.o1.gp	Method	AAT/GAP
Start	995	End	1475
GI	183_5.R1084	Score	930
Exons	995..1475		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	13585	Seq. ID	OJ991211_49.0228.C12
Gene No.	28890	Strand	+
Start	995	End	1475
Name	OJ991211_49.0228.C12.o1.tm	Method	TBLASTX:Maize
Start	997	End	1475
GI	none	Score	514
Exons	997..1299, 997..1302, 1005..1304, 1297..1356, 1298..1381, 1299..1382, 1428..1475, 1437..1475		

Seq. No.	13585	Seq. ID	OJ991211_49.0228.C12
Gene No.	28890	Strand	+
Start	995	End	1475
Name	OJ991211_49.0228.C12.o2.tc	Method	TBLASTX:Cress
Start	1156	End	1377
GI	none	Score	113
Exons	1156..1179, 1173..1316, 1174..1317, 1181..1318, 1184..1315, 1185..1316, 1308..1340, 1311..1352, 1342..1377		

Seq. No.	13586	Seq. ID	OJ991211_49.0228.C13
Gene No.	28891	Strand	+
Start	1	End	306
Name	OJ991211_49.0228.C13.o1.gp	Method	AAT/GAP
Start	1	End	306
GI	183_1.R1084	Score	592
Exons	1..306		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	13586	Seq. ID	OJ991211_49.0228.C13
Gene No.	28891	Strand	+
Start	1	End	306
Name	OJ991211_49.0228.C13.o1.tm	Method	TBLASTX:Maize
Start	13	End	275
GI	none	Score	339
Exons	13..270, 14..271, 188..274, 198..275		

Seq. No.	13586	Seq. ID	OJ991211_49.0228.C13
Gene No.	28892	Strand	
Start	220	End	672
Name	OJ991211_49.0228.C13.o1.ts	Method	TBLASTX:Soybean
Start	220	End	672
GI	none	Score	103
Exons	220..306, 221..337, 222..335, 290..367, 291..350, 293..367, 354..668, 354..671, 355..672, 355..672		

Seq. No.	13587	Seq. ID	OJ991211_49.0228.C14
Gene No.	28893	Strand	
Start	1	End	205
Name	OJ991211_49.0228.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	205
GI	none	Score	55
Exons	1..36, 2..37, 3..38, 44..205, 59..205		

Seq. No.	13587	Seq. ID	OJ991211_49.0228.C14
Gene No.	28894	Strand	
Start	359	End	767
Name	OJ991211_49.0228.C14.o1.tc	Method	TBLASTX:Cress
Start	359	End	767
GI	none	Score	61
Exons	359..403, 363..398, 390..551, 404..553, 405..551, 538..633, 548..634, 548..661, 549..635, 636..767, 638..718, 645..725		

Seq. No.	13587	Seq. ID	OJ991211_49.0228.C14
Gene No.	28895	Strand	
Start	715	End	894
Name	OJ991211_49.0228.C14.o1.ts	Method	TBLASTX:Soybean
Start	715	End	894
GI	none	Score	52
Exons	715..744, 717..740, 750..890, 753..890, 754..894		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28896	Strand	+
Start	3538	End	3653
Name	OJ991211_49.0228.C15.o2.gp	Method	AAT/GAP
Start	3538	End	3653
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	3538..3653		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28897	Strand	-
Start	1744	End	1805
Name	OJ991211_49.0228.C15.o1.gp	Method	AAT/GAP
Start	1744	End	1805
GI	56420_1.R1084	Score	90
Exons	1744..1805		
GI Descrip.	'2979562 2.0e-16 (AC003680) unknown protein [Arabidopsis thaliana] >gi_3386623 (AC004665) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	1201
GI	none	Score	331
Exons	1..240, 2..241, 2..241, 3..245, 3..242, 211..402, 218..433, 228..437, 230..394, 231..401, 406..444, 424..1083, 442..1077, 1080..1148, 1109..1138, 1150..1200, 1151..1201, 1151..1201		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o2.tw	Method	TBLASTX:Wheat
Start	1	End	275
GI	none	Score	423
Exons	1..264, 2..274, 3..275		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o4.tc	Method	TBLASTX:Cress
Start	1	End	430
GI	none	Score	39
Exons	1..27, 2..142, 3..143, 67..144, 137..193, 138..404, 180..251, 241..405, 242..430		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o4.ts	Method	TBLASTX:Soybean
Start	1	End	362
GI	none	Score	289
Exons	1..360, 2..361, 2..361, 3..362		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o1.ts	Method	TBLASTX:Soybean
Start	492	End	942
GI	none	Score	689
Exons	492..866, 508..942, 508..942		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o2.tc	Method	TBLASTX:Cress
Start	517	End	994
GI	none	Score	703
Exons	517..993, 519..863, 526..993, 527..994, 782..994		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o8.tc	Method	TBLASTX:Cress
Start	1790	End	1926
GI	none	Score	128
Exons	1790..1813, 1791..1916, 1792..1923, 1803..1916, 1810..1926		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o4.tm	Method	TBLASTX:Maize
Start	1815	End	2806
GI	none	Score	141
Exons	1815..1916, 1816..1929, 1819..1929, 1856..1930, 1923..1991, 1927..2004, 1928..2005, 1928..2005, 2000..2098, 2001..2099, 2059..2106, 2178..2270, 2182..2280, 2186..2305, 2189..2281, 2273..2308, 2275..2304, 2304..2540, 2304..2540, 2305..2541, 2314..2544, 2315..2545, 2525..2695, 2537..2698, 2538..2696, 2691..2774, 2693..2806		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037

Name	OJ991211_49.0228.C15.o3.tw	Method	TBLASTX:Wheat
Start	2167	End	2429
GI	none	Score	73
Exons	2167..2241, 2167..2253, 2241..2429, 2265..2306, 2272..2325, 2304..2420, 2305..2421, 2312..2422		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o7.ts	Method	TBLASTX:Soybean
Start	2186	End	2453
GI	none	Score	82
Exons	2186..2308, 2190..2282; 2191..2307, 2264..2314, 2270..2431, 2304..2453, 2304..2414		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o1.tc	Method	TBLASTX:Cress
Start	3166	End	4163
GI	none	Score	82
Exons	3166..3261, 3175..3261, 3180..3269, 3182..3301, 3185..3262, 3444..3515, 3467..3514, 3520..4152, 3529..3663, 3533..4162, 3533..4153, 3534..4163		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o8.tm	Method	TBLASTX:Maize
Start	3400	End	3657
GI	none	Score	44
Exons	3400..3426, 3402..3425, 3424..3543, 3434..3547, 3435..3545, 3457..3549, 3515..3655, 3543..3656, 3544..3657		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o2.ts	Method	TBLASTX:Soybean
Start	3435	End	3939
GI	none	Score	41
Exons	3435..3491, 3535..3630, 3536..3937, 3537..3938, 3718..3939		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o1.tw	Method	TBLASTX:Wheat
Start	3890	End	4290
GI	none	Score	446
Exons	3890..4213, 3891..4184, 4172..4228, 4172..4234, 4173..4241, 4252..4290		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o5.tm	Method	TBLASTX:Maize
Start	3918	End	4460
GI	none	Score	639

Exons	3918..3953, 3945..4373, 3949..4152, 3950..4375, 3951..4376, 4225..4377, 4377..4460, 4378..4458, 4379..4459		
Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o7.tm	Method	TBLASTX:Maize
Start	4541	End	4927
GI	none	Score	97
Exons	4541..4636, 4550..4636, 4551..4637, 4551..4640, 4552..4641, 4631..4726, 4636..4884, 4639..4923, 4772..4903, 4907..4927		
Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o2.tm	Method	TBLASTX:Maize
Start	5094	End	6250
GI	none	Score	35
Exons	5094..5114, 5095..5112, 5114..5278, 5115..5279, 5116..5295, 5117..5320, 5243..5899, 5274..5903, 5277..5867, 5290..5898, 5896..6048, 5897..5962, 5898..6248, 5913..6248, 6002..6250		
Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o5.ts	Method	TBLASTX:Soybean
Start	5104	End	5780
GI	none	Score	225
Exons	5104..5265, 5111..5278, 5112..5279, 5357..5380, 5358..5384, 5379..5450, 5392..5436, 5396..5470, 5451..5477, 5511..5546, 5513..5536, 5589..5717, 5599..5718, 5625..5747, 5719..5760, 5720..5779, 5724..5780		
Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o6.tc	Method	TBLASTX:Cress
Start	5109	End	5843
GI	none	Score	201
Exons	5109..5291, 5109..5291, 5119..5298, 5384..5467, 5389..5481, 5389..5469, 5480..5593, 5490..5594, 5490..5606, 5594..5713, 5601..5717, 5602..5718, 5628..5759, 5723..5776, 5724..5759, 5787..5843, 5811..5831		
Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o5.tc	Method	TBLASTX:Cress
Start	5908	End	6259
GI	none	Score	432
Exons	5908..6048, 5909..6256, 6002..6259		
Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o6.ts	Method	TBLASTX:Soybean
Start	6119	End	7109

GI	none	Score	187
Exons	6119..6229, 6119..6235, 6121..6237, 6943..7068, 6953..7108, 6954..7109		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o6.tm	Method	TBLASTX:Maize
Start	6592	End	6933
GI	none	Score	85
Exons	6592..6669, 6593..6676, 6611..6673, 6630..6680, 6653..6778, 6666..6782, 6669..6776, 6670..6789, 6706..6828, 6778..6933, 6778..6930		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o7.tc	Method	TBLASTX:Cress
Start	6727	End	7060
GI	none	Score	51
Exons	6727..6765, 6732..6770, 6753..6824, 6754..6828, 6784..6828, 6877..6942, 6886..6939, 6887..6940, 6914..7051, 6918..7058, 6929..7060, 6930..7058		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o3.tm	Method	TBLASTX:Maize
Start	6988	End	8037
GI	none	Score	162
Exons	6988..7134, 6995..7135, 6999..7151, 7002..7139, 7069..7140, 7179..7259, 7179..7259, 7180..7260, 7181..7261, 7242..7313, 7255..7308, 7256..7312, 7297..7377, 7310..7414, 7311..7400, 7392..7442, 7392..7439, 7455..7484, 7456..7485, 7480..7596, 7486..7602, 7488..7616, 7578..7691, 7591..7668, 7638..8036, 7666..8037, 7783..8037		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o3.gp	Method	AAT/GAP
Start	7331	End	7589
GI	uC-osflM202088b07a1	Score	514
Exons	7331..7589		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o3.tc	Method	TBLASTX:Cress
Start	7567	End	7935
GI	none	Score	45
Exons	7567..7596, 7590..7673, 7668..7934, 7668..7934, 7783..7935		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-

Start	7331	End	8037
Name	OJ991211_49.0228.C15.o3.ts	Method	TBLASTX:Soybean
Start	7567	End	7985
GI	none	Score	45
Exons	7567..7596, 7649..7978, 7649..7981, 7650..7985, 7668..7985		

Seq. No.	13588	Seq. ID	OJ991211_49.0228.C15
Gene No.	28898	Strand	-
Start	7331	End	8037
Name	OJ991211_49.0228.C15.o9.tc	Method	TBLASTX:Cress
Start	7936	End	8037
GI	none	Score	182
Exons	7936..8037, 7938..8036		

Seq. No.	13589	Seq. ID	OJ991211_49.0228.C16
Gene No.	28899	Strand	
Start	1	End	449
Name	OJ991211_49.0228.C16.o1.tc	Method	TBLASTX:Cress
Start	1	End	449
GI	none	Score	468
Exons	1..357, 1..282, 3..359, 3..356, 152..361, 371..448, 371..445, 375..449		

Seq. No.	13589	Seq. ID	OJ991211_49.0228.C16
Gene No.	28899	Strand	
Start	1	End	449
Name	OJ991211_49.0228.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	361
GI	none	Score	479
Exons	1..357, 1..282, 3..359, 3..356, 152..361		

Seq. No.	13589	Seq. ID	OJ991211_49.0228.C16
Gene No.	28899	Strand	
Start	1	End	449
Name	OJ991211_49.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	3	End	361
GI	none	Score	185
Exons	3..116, 3..107, 109..282, 110..175, 111..359, 111..356, 152..361		

Seq. No.	13590	Seq. ID	OJ991211_49.0228.C17
Gene No.	28900	Strand	-
Start	6	End	1478
Name	OJ991211_49.0228.C17.o1.gp	Method	AAT/GAP
Start	6	End	1478
GI	3073_1.R1084	Score	2791
Exons	6..1478		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	13590	Seq. ID	OJ991211_49.0228.C17
Gene No.	28901	Strand	-
Start	1493	End	1766
Name	OJ991211_49.0228.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	1751

GI	none	Score	145
Exons	1..93, 3..119, 80..154, 80..148, 84..383, 85..399, 121..390, 200..418, 383..487, 432..506, 433..489, 437..550, 498..704, 498..704, 520..705, 520..705, 706..726, 707..730, 731..856, 731..856, 795..893, 847..945, 866..925, 866..952, 920..958, 936..1175, 939..1217, 1170..1742, 1170..1277, 1172..1720, 1329..1727, 1522..1740, 1719..1751		

Seq. No.	13590	Seq. ID	OJ991211_49.0228.C17
Gene No.	28901	Strand	-
Start	1493	End	1766
Name	OJ991211_49.0228.C17.o1.ts	Method	TBLASTX:Soybean
Start	87	End	1665
GI	none	Score	41
Exons	87..113, 89..112, 117..341, 117..341, 118..351, 203..355, 936..965, 955..1050, 960..1109, 960..1109, 976..1110, 1173..1280, 1284..1664, 1295..1663, 1525..1665		

Seq. No.	13590	Seq. ID	OJ991211_49.0228.C17
Gene No.	28901	Strand	-
Start	1493	End	1766
Name	OJ991211_49.0228.C17.o2.tc	Method	TBLASTX:Cress
Start	136	End	1024
GI	none	Score	265
Exons	136..351, 139..324, 198..332, 357..383, 606..701, 709..732, 923..1024		

Seq. No.	13590	Seq. ID	OJ991211_49.0228.C17
Gene No.	28901	Strand	-
Start	1493	End	1766
Name	OJ991211_49.0228.C17.o1.tw	Method	TBLASTX:Wheat
Start	504	End	1269
GI	none	Score	298
Exons	504..704, 507..704, 520..705, 520..705, 707..724, 731..856, 731..856, 795..893, 846..905, 851..898, 920..958, 936..1268, 939..1268, 1174..1269		

Seq. No.	13590	Seq. ID	OJ991211_49.0228.C17
Gene No.	28901	Strand	-
Start	1493	End	1766
Name	OJ991211_49.0228.C17.o1.tc	Method	TBLASTX:Cress
Start	1305	End	1728
GI	none	Score	455
Exons	1305..1679, 1322..1678, 1350..1721, 1486..1728		

Seq. No.	13590	Seq. ID	OJ991211_49.0228.C17
Gene No.	28901	Strand	-
Start	1493	End	1766
Name	OJ991211_49.0228.C17.o2.gp	Method	AAT/GAP
Start	1493	End	1766
GI	2291_1.R1084	Score	517
Exons	1493..1766		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28902	Strand	+
Start	1317	End	1902
Name	OJ991211_49.0228.C18.o2.gp	Method	AAT/GAP
Start	1317	End	1902
GI	481_1.R1084	Score	1023
Exons	1317..1902		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28903	Strand	-
Start	1	End	669
Name	OJ991211_49.0228.C18.o1.gp	Method	AAT/GAP
Start	1	End	669
GI	2291_1.R1084	Score	1305
Exons	1..669		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28903	Strand	-
Start	1	End	669
Name	OJ991211_49.0228.C18.o2.tw	Method	TBLASTX:Wheat
Start	1	End	527
GI	none	Score	38
Exons	1..18, 1..18, 19..207, 20..199, 88..201, 213..314, 214..321, 217..330, 315..401, 316..402, 317..379, 318..392, 349..525, 354..404, 369..527, 377..526, 465..527		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28903	Strand	-
Start	1	End	669
Name	OJ991211_49.0228.C18.o4.tm	Method	TBLASTX:Maize
Start	1	End	286
GI	none	Score	38
Exons	1..18, 1..18, 19..255, 20..127, 85..255, 213..260, 218..256, 219..260, 253..285, 257..286		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28903	Strand	-
Start	1	End	669
Name	OJ991211_49.0228.C18.o3.tm	Method	TBLASTX:Maize
Start	327	End	649
GI	none	Score	44
Exons	327..395, 346..639, 351..383, 401..649, 401..646		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28904	Strand	
Start	614	End	1016

Name	OJ991211_49.0228.C18.o5.tw	Method	TBLASTX:Wheat
Start	614	End	1016
GI	none	Score	49
Exons	614..646, 617..649, 719..760, 720..773, 720..761, 756..803, 761..826, 802..825, 804..827, 811..936, 841..945, 846..971, 846..941, 941..1015, 941..1015, 942..1016		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283
Name	OJ991211_49.0228.C18.o1.ts	Method	TBLASTX:Soybean
Start	957	End	2283
GI	none	Score	363
Exons	957..1343, 959..1348, 962..1096, 967..1362, 1000..1362, 1145..1378, 1439..1558, 1464..1565, 1541..1735, 1553..1855, 1554..1844, 1841..1906, 1862..2170, 1923..1949, 1947..2168, 1983..2174, 1984..2190, 2163..2276, 2181..2279, 2185..2283		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283
Name	OJ991211_49.0228.C18.o1.tm	Method	TBLASTX:Maize
Start	957	End	1703
GI	none	Score	945
Exons	957..1658, 962..1657, 1311..1658, 1658..1702, 1658..1702, 1659..1703		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283
Name	OJ991211_49.0228.C18.o1.tc	Method	TBLASTX:Cress
Start	957	End	1430
GI	none	Score	297
Exons	957..1268, 959..1279, 965..1264, 1003..1278, 1259..1324, 1398..1430		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283
Name	OJ991211_49.0228.C18.o1.tw	Method	TBLASTX:Wheat
Start	1048	End	1439
GI	none	Score	535
Exons	1048..1431, 1049..1432, 1382..1435, 1385..1438, 1386..1439, 1387..1437		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283
Name	OJ991211_49.0228.C18.o2.tc	Method	TBLASTX:Cress
Start	1464	End	1882
GI	none	Score	135
Exons	1464..1565, 1466..1558, 1553..1645, 1554..1646, 1646..1882, 1647..1850		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283

Name	OJ991211_49.0228.C18.o3.tw	Method	TBLASTX:Wheat
Start	1592	End	1956
GI	none	Score	402
Exons	1592..1870, 1593..1853, 1595..1870, 1879..1935, 1879..1947, 1881..1937, 1917..1955, 1921..1956, 1921..1956		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283
Name	OJ991211_49.0228.C18.o2.tm	Method	TBLASTX:Maize
Start	1744	End	2283
GI	none	Score	78
Exons	1744..1806, 1745..2179, 1746..2282, 1762..2280, 1878..2282, 1879..2283		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283
Name	OJ991211_49.0228.C18.o3.tc	Method	TBLASTX:Cress
Start	1918	End	2283
GI	none	Score	40
Exons	1918..1959, 1926..1958, 1974..2168, 1975..2163, 1981..2190, 1983..2177, 2185..2283, 2193..2279		

Seq. No.	13591	Seq. ID	OJ991211_49.0228.C18
Gene No.	28905	Strand	
Start	957	End	2283
Name	OJ991211_49.0228.C18.o4.tw	Method	TBLASTX:Wheat
Start	2028	End	2283
GI	none	Score	352
Exons	2028..2282, 2035..2283, 2037..2282		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28906	Strand	+
Start	1	End	202
Name	OJ991211_49.0228.C19.o1.gp	Method	AAT/GAP
Start	1	End	202
GI	5003883	Score	386
Exons	1..202		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o2.tm	Method	TBLASTX:Maize
Start	1	End	600
GI	none	Score	54
Exons	1..39, 1..54, 36..185, 37..201, 38..202, 123..173, 208..426, 209..448, 224..445, 465..482, 466..537, 467..544, 493..576, 494..556, 549..599, 568..600		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o3.ts	Method	TBLASTX:Soybean
Start	561	End	813

GI	none	Score	84
Exons	561..662, 568..657, 569..661, 642..812, 642..803, 643..813, 721..813		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o3.tm	Method	TBLASTX:Maize
Start	601	End	888
GI	none	Score	270
Exons	601..771, 602..772, 603..770, 603..773, 771..887, 771..887, 775..888		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o1.tc	Method	TBLASTX:Cress
Start	768	End	1354
GI	none	Score	100
Exons	768..866, 769..864, 770..865, 843..998, 857..1027, 866..1027, 868..1041, 901..1035, 1024..1068, 1024..1068, 1083..1205, 1090..1191, 1192..1350, 1193..1354, 1196..1351, 1227..1352		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o4.tm	Method	TBLASTX:Maize
Start	905	End	1149
GI	none	Score	144
Exons	905..1024, 906..998, 910..1026, 910..1026, 911..1039, 1089..1148, 1093..1149, 1093..1146, 1109..1147		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o2.gp	Method	AAT/GAP
Start	985	End	1549
GI	2798177	Score	1001
Exons	985..1549		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o1.ts	Method	TBLASTX:Soybean
Start	1083	End	1846
GI	none	Score	152
Exons	1083..1205, 1090..1191, 1192..1839, 1193..1846, 1196..1846		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o1.tm	Method	TBLASTX:Maize
Start	1192	End	1649
GI	none	Score	690
Exons	1192..1647, 1193..1648, 1194..1649		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o4.tc	Method	TBLASTX:Cress
Start	1597	End	2039
GI	none	Score	148
Exons	1597..1728, 1597..1791, 1608..1739, 1610..1846, 1610..1837, 1889..1933, 1945..1983, 1950..1988, 1974..2039		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o2.ts	Method	TBLASTX:Soybean
Start	1866	End	3333
GI	none	Score	188
Exons	1866..2060, 1886..2062, 2217..2297, 2218..2274, 2316..2414, 2318..2884, 2320..2874, 2322..2891, 2345..2884, 2454..2909, 3021..3068, 3021..3062, 3145..3171, 3187..3333, 3188..3277		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o3.tc	Method	TBLASTX:Cress
Start	2439	End	2644
GI	none	Score	288
Exons	2439..2642, 2441..2644, 2441..2644		

Seq. No.	13592	Seq. ID	OJ991211_49.0228.C19
Gene No.	28907	Strand	+
Start	985	End	3333
Name	OJ991211_49.0228.C19.o2.tc	Method	TBLASTX:Cress
Start	2645	End	2892
GI	none	Score	313
Exons	2645..2878, 2646..2891, 2797..2892		

Seq. No.	13593	Seq. ID	OJ991211_49.0228.C20
Gene No.	28908	Strand	+
Start	1036	End	1199
Name	OJ991211_49.0228.C20.o2.gp	Method	AAT/GAP
Start	1036	End	1199
GI	uC-osflcyp084g07a1	Score	201
Exons	1036..1199		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	13593	Seq. ID	OJ991211_49.0228.C20
Gene No.	28909	Strand	+
Start	1329	End	1702
Name	OJ991211_49.0228.C20.o3.gp	Method	AAT/GAP
Start	1329	End	1702
GI	uC-osflcyp003h11b1	Score	716
Exons	1329..1702		
GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZOP photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa]		

>gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'

Seq. No.	13593	Seq. ID	OJ991211_49.0228.C20
Gene No.	28910	Strand	-
Start	373	End	1246
Name	OJ991211_49.0228.C20.o1.tc	Method	TBLASTX:Cress
Start	2	End	742
GI	none	Score	46
Exons	2..37, 4..39, 75..737, 92..739, 93..731, 248..742		

Seq. No.	13593	Seq. ID	OJ991211_49.0228.C20
Gene No.	28910	Strand	-
Start	373	End	1246
Name	OJ991211_49.0228.C20.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1246
GI	none	Score	38
Exons	3..35, 4..36, 65..781, 66..731, 248..769, 758..820, 761..820, 777..821, 1102..1140, 1106..1138, 1147..1200, 1148..1198, 1202..1246		

Seq. No.	13593	Seq. ID	OJ991211_49.0228.C20
Gene No.	28910	Strand	-
Start	373	End	1246
Name	OJ991211_49.0228.C20.o1.tm	Method	TBLASTX:Maize
Start	92	End	736
GI	none	Score	570
Exons	92..736, 93..674, 266..733		

Seq. No.	13593	Seq. ID	OJ991211_49.0228.C20
Gene No.	28910	Strand	-
Start	373	End	1246
Name	OJ991211_49.0228.C20.o1.gp	Method	AAT/GAP
Start	373	End	879
GI	uC-osflcyp011b01b1	Score	987
Exons	373..879		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	13593	Seq. ID	OJ991211_49.0228.C20
Gene No.	28911	Strand	
Start	1376	End	1702
Name	OJ991211_49.0228.C20.o2.tm	Method	TBLASTX:Maize
Start	1376	End	1702
GI	none	Score	70
Exons	1376..1402, 1408..1539, 1409..1450, 1444..1524, 1496..1528, 1529..1579, 1530..1580, 1530..1580, 1567..1638, 1572..1649, 1573..1638, 1627..1701, 1628..1702		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28912	Strand	-
Start	463	End	1015
Name	OJ991211_49.0228.C21.o1.gp	Method	AAT/GAP
Start	463	End	1015
GI	2896_1.R1084	Score	1007
Exons	463..1015		

GI Descrip. '131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28913	Strand	-
Start	1565	End	1706
Name	OJ991211_49.0228.C21.o1.tc	Method	TBLASTX:Cress
Start	123	End	572
GI	none	Score	462
Exons	123..572, 123..572		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28913	Strand	-
Start	1565	End	1706
Name	OJ991211_49.0228.C21.o2.tm	Method	TBLASTX:Maize
Start	412	End	726
GI	none	Score	513
Exons	412..726, 414..725		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28913	Strand	-
Start	1565	End	1706
Name	OJ991211_49.0228.C21.o1.ts	Method	TBLASTX:Soybean
Start	422	End	865
GI	none	Score	106
Exons	422..523, 422..817, 426..818, 426..821, 427..822, 818..865, 819..863, 820..864		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28913	Strand	-
Start	1565	End	1706
Name	OJ991211_49.0228.C21.o1.tw	Method	TBLASTX:Wheat
Start	546	End	973
GI	none	Score	410
Exons	546..818, 546..821, 800..877, 816..938, 818..892, 876..971, 879..971, 880..972, 880..972, 929..973		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28913	Strand	-
Start	1565	End	1706
Name	OJ991211_49.0228.C21.o2.tc	Method	TBLASTX:Cress
Start	573	End	1081
GI	none	Score	274
Exons	573..821, 574..822, 809..877, 816..938, 818..892, 880..936, 913..1080, 934..1074, 935..1081		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28913	Strand	-
Start	1565	End	1706
Name	OJ991211_49.0228.C21.o4.tc	Method	TBLASTX:Cress
Start	1258	End	1537
GI	none	Score	200
Exons	1258..1524, 1265..1537		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28913	Strand	-
Start	1565	End	1706
Name	OJ991211_49.0228.C21.o3.tm	Method	TBLASTX:Maize
Start	1416	End	1706
GI	none	Score	311
Exons	1416..1586, 1417..1599, 1420..1587, 1590..1706, 1590..1706		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28913	Strand	-
Start	1565	End	1706
Name	OJ991211_49.0228.C21.o2.gp	Method	AAT/GAP
Start	1565	End	1693
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	1565..1693		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28914	Strand	
Start	1691	End	2308
Name	OJ991211_49.0228.C21.o2.ts	Method	TBLASTX:Soybean
Start	1691	End	2308
GI	none	Score	57
Exons	1691..1732, 1962..1985, 2004..2306, 2004..2195, 2023..2307, 2024..2308		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28914	Strand	
Start	1691	End	2308
Name	OJ991211_49.0228.C21.o1.tm	Method	TBLASTX:Maize
Start	1918	End	2308
GI	none	Score	636
Exons	1918..2307, 1919..2308, 1940..2308		

Seq. No.	13594	Seq. ID	OJ991211_49.0228.C21
Gene No.	28914	Strand	
Start	1691	End	2308
Name	OJ991211_49.0228.C21.o3.tc	Method	TBLASTX:Cress
Start	1959	End	2308
GI	none	Score	43
Exons	1959..1988, 1960..1986, 2023..2307, 2024..2308		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28915	Strand	+
Start	1	End	97
Name	OJ991211_49.0228.C22.o1.gp	Method	AAT/GAP
Start	1	End	97
GI	LIB3431-017-P1-K1-H4	Score	177
Exons	1..97		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	678
GI	none	Score	165
Exons	1..117, 2..142, 2..145, 193..258, 198..251, 341..412, 353..445, 354..446, 387..452, 442..495, 449..517, 452..496, 507..551, 513..590, 553..594, 563..589, 620..670, 628..678		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o3.tm	Method	TBLASTX:Maize
Start	1	End	287
GI	none	Score	393
Exons	1..255, 2..256, 3..257, 3..260, 259..285, 259..285, 261..287		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o4.tc	Method	TBLASTX:Cress
Start	197	End	774
GI	none	Score	59
Exons	197..241, 270..314, 270..311, 350..412, 351..494, 397..495, 458..496, 501..587, 512..586, 623..670, 624..683, 673..708, 676..705, 745..774		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o2.tc	Method	TBLASTX:Cress
Start	1373	End	2306
GI	none	Score	252
Exons	1373..1471, 1516..1677, 1529..1693, 1529..1693, 1705..1797, 1774..1821, 2088..2306, 2089..2289		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o2.ts	Method	TBLASTX:Soybean
Start	1516	End	2879
GI	none	Score	257
Exons	1516..1677, 1520..1693, 1524..1694, 1529..1693, 1705..1767, 1755..1826, 1762..1824, 1774..1818, 2076..2306, 2089..2292, 2089..2319, 2165..2329, 2725..2877, 2725..2877, 2772..2879		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o4.tm	Method	TBLASTX:Maize
Start	2118	End	2465
GI	none	Score	306
Exons	2118..2354, 2118..2312, 2122..2322, 2156..2365, 2372..2455, 2397..2465		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22

Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o2.gp	Method	AAT/GAP
Start	2413	End	2935
GI	uC-osflm202104g03b1	Score	1026
Exons	2413..2935		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o2.tm	Method	TBLASTX:Maize
Start	2638	End	2954
GI	none	Score	455
Exons	2638..2952, 2638..2952, 2645..2953, 2772..2954		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o3.tw	Method	TBLASTX:Wheat
Start	2650	End	3038
GI	none	Score	359
Exons	2650..2925, 2665..2931, 2687..2935, 2958..2996, 2960..3037, 2978..3037, 2979..3038		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28916	Strand	-
Start	2413	End	3038
Name	OJ991211_49.0228.C22.o5.tc	Method	TBLASTX:Cress
Start	2716	End	2876
GI	none	Score	219
Exons	2716..2874, 2729..2875, 2772..2876		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28917	Strand	
Start	3500	End	4405
Name	OJ991211_49.0228.C22.o1.tm	Method	TBLASTX:Maize
Start	3500	End	4243
GI	none	Score	351
Exons	3500..3715, 3506..3712, 3507..3713, 3673..3780, 3711..3779, 3767..3796, 3777..3830, 3778..3804, 3799..3831, 3846..4016, 3848..4018, 4012..4098, 4014..4097, 4067..4216, 4071..4211, 4085..4243, 4093..4218		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28917	Strand	
Start	3500	End	4405
Name	OJ991211_49.0228.C22.o3.ts	Method	TBLASTX:Soybean
Start	3559	End	3774
GI	none	Score	219
Exons	3559..3714, 3560..3715, 3709..3774		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28917	Strand	

Start	3500	End	4405
Name	OJ991211_49.0228.C22.o3.tc	Method	TBLASTX:Cress
Start	3574	End	3916
GI	none	Score	172
Exons	3574..3699, 3578..3688, 3709..3774, 3709..3771, 3830..3916, 3849..3914		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28917	Strand	
Start	3500	End	4405
Name	OJ991211_49.0228.C22.o1.tw	Method	TBLASTX:Wheat
Start	3809	End	4405
GI	none	Score	168
Exons	3809..3985, 3810..3980, 3973..4086, 3973..4098, 3974..4099, 3975..4094, 4082..4132, 4084..4161, 4084..4131, 4086..4133, 4135..4218, 4136..4213, 4172..4237, 4211..4252, 4276..4401, 4276..4398, 4277..4405, 4305..4400		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28918	Strand	
Start	4585	End	5298
Name	OJ991211_49.0228.C22.o5.tm	Method	TBLASTX:Maize
Start	4585	End	4993
GI	none	Score	80
Exons	4585..4662, 4598..4660, 4692..4769, 4697..4768, 4773..4835, 4776..4838, 4778..4843, 4815..4856, 4850..4942, 4850..4909, 4854..4910, 4915..4971, 4917..4970, 4922..4975, 4922..4993		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28918	Strand	
Start	4585	End	5298
Name	OJ991211_49.0228.C22.o2.tw	Method	TBLASTX:Wheat
Start	4767	End	5168
GI	none	Score	148
Exons	4767..4892, 4770..4913, 4792..4938, 4932..5147, 4932..5135, 5094..5168, 5117..5167, 5118..5168		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28918	Strand	
Start	4585	End	5298
Name	OJ991211_49.0228.C22.o1.tc	Method	TBLASTX:Cress
Start	5023	End	5298
GI	none	Score	59
Exons	5023..5094, 5028..5090, 5097..5126, 5098..5130, 5125..5298, 5134..5292, 5142..5297		

Seq. No.	13595	Seq. ID	OJ991211_49.0228.C22
Gene No.	28918	Strand	
Start	4585	End	5298
Name	OJ991211_49.0228.C22.o6.tm	Method	TBLASTX:Maize
Start	5029	End	5181
GI	none	Score	79
Exons	5029..5070, 5029..5073, 5073..5126, 5073..5126, 5074..5127, 5074..5133, 5112..5180, 5120..5179, 5128..5181, 5134..5181		

Seq. No.	13596	Seq. ID	OJ991211_49.0228.C23
Gene No.	28919	Strand	

Start	1	End	150
Name	OJ991211_49.0228.C23.o2.tw	Method	TBLASTX:Wheat
Start	1	End	150
GI	none	Score	47
Exons	1..30, 1..30, 2..46, 3..35, 30..149, 31..150, 31..150		

Seq. No.	13596	Seq. ID	OJ991211_49.0228.C23
Gene No.	28920	Strand	
Start	102	End	439
Name	OJ991211_49.0228.C23.o1.tc	Method	TBLASTX:Cress
Start	102	End	439
GI	none	Score	68
Exons	102..155, 104..154, 194..436, 194..439		

Seq. No.	13596	Seq. ID	OJ991211_49.0228.C23
Gene No.	28920	Strand	
Start	102	End	439
Name	OJ991211_49.0228.C23.o1.tm	Method	TBLASTX:Maize
Start	102	End	385
GI	none	Score	110
Exons	102..170, 103..168, 104..169, 115..171, 131..385, 142..384, 170..385		

Seq. No.	13596	Seq. ID	OJ991211_49.0228.C23
Gene No.	28921	Strand	
Start	1260	End	1442
Name	OJ991211_49.0228.C23.o1.tw	Method	TBLASTX:Wheat
Start	1260	End	1442
GI	none	Score	227
Exons	1260..1430, 1260..1442, 1412..1441		

Seq. No.	13597	Seq. ID	OJ991211_49.0228.C24
Gene No.	28922	Strand	-
Start	328	End	1265
Name	OJ991211_49.0228.C24.o1.tc	Method	TBLASTX:Cress
Start	1	End	1035
GI	none	Score	665
Exons	1..636, 2..712, 120..713, 510..719, 955..1035, 963..1034		

Seq. No.	13597	Seq. ID	OJ991211_49.0228.C24
Gene No.	28922	Strand	-
Start	328	End	1265
Name	OJ991211_49.0228.C24.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1265
GI	none	Score	545
Exons	1..636, 1..708, 2..712, 6..713, 510..719, 940..1245, 948..1265		

Seq. No.	13597	Seq. ID	OJ991211_49.0228.C24
Gene No.	28922	Strand	-
Start	328	End	1265
Name	OJ991211_49.0228.C24.o2.tw	Method	TBLASTX:Wheat
Start	70	End	186
GI	none	Score	179
Exons	70..186, 71..184		

Seq. No.	13597	Seq. ID	OJ991211_49.0228.C24
Gene No.	28922	Strand	-

Start	328	End	1265
Name	OJ991211_49.0228.C24.o2.tm	Method	TBLASTX:Maize
Start	243	End	411
GI	none	Score	278
Exons	243..410, 244..411, 245..409		

Seq. No.	13597	Seq. ID	OJ991211_49.0228.C24
Gene No.	28922	Strand	-
Start	328	End	1265
Name	OJ991211_49.0228.C24.o1.gp	Method	AAT/GAP
Start	328	End	769
GI	uC-osf1M202092b08b1	Score	831
Exons	328..769		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	13597	Seq. ID	OJ991211_49.0228.C24
Gene No.	28922	Strand	-
Start	328	End	1265
Name	OJ991211_49.0228.C24.o1.tm	Method	TBLASTX:Maize
Start	412	End	892
GI	none	Score	640
Exons	412..852, 413..856, 510..857, 846..890, 854..892		

Seq. No.	13597	Seq. ID	OJ991211_49.0228.C24
Gene No.	28922	Strand	-
Start	328	End	1265
Name	OJ991211_49.0228.C24.o1.tw	Method	TBLASTX:Wheat
Start	518	End	944
GI	none	Score	195
Exons	518..643, 519..638, 521..640, 645..746, 646..858, 647..838, 676..840, 773..898, 794..913, 843..914, 904..942, 908..943, 918..944		

Seq. No.	13597	Seq. ID	OJ991211_49.0228.C24
Gene No.	28922	Strand	-
Start	328	End	1265
Name	OJ991211_49.0228.C24.o2.tc	Method	TBLASTX:Cress
Start	1036	End	1253
GI	none	Score	155
Exons	1036..1251, 1038..1253		

Seq. No.	13598	Seq. ID	OJ991211_49.0228.C25
Gene No.	28923	Strand	+
Start	1	End	251
Name	OJ991211_49.0228.C25.o1.gp	Method	AAT/GAP
Start	1	End	251
GI	2653_1.R1084	Score	478
Exons	1..251		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	13598	Seq. ID	OJ991211_49.0228.C25
Gene No.	28924	Strand	-

Start	255	End	1835
Name	OJ991211_49.0228.C25.o1.tm	Method	TBLASTX:Maize
Start	111	End	530
GI	none	Score	641
Exons	111..515, 111..512, 113..520, 498..530		

Seq. No.	13598	Seq. ID	OJ991211_49.0228.C25
Gene No.	28924	Strand	-
Start	255	End	1835
Name	OJ991211_49.0228.C25.o1.ts	Method	TBLASTX:Soybean
Start	111	End	1835
GI	none	Score	56
Exons	111..188, 129..188, 210..266, 215..277, 215..274, 297..512, 300..512, 343..546, 534..695, 550..690, 1017..1154, 1055..1141, 1056..1142, 1063..1152, 1188..1208, 1191..1220, 1614..1835, 1657..1776		

Seq. No.	13598	Seq. ID	OJ991211_49.0228.C25
Gene No.	28924	Strand	-
Start	255	End	1835
Name	OJ991211_49.0228.C25.o1.tc	Method	TBLASTX:Cress
Start	128	End	689
GI	none	Score	109
Exons	128..217, 129..212, 196..264, 198..686, 204..689		

Seq. No.	13598	Seq. ID	OJ991211_49.0228.C25
Gene No.	28924	Strand	-
Start	255	End	1835
Name	OJ991211_49.0228.C25.o2.gp	Method	AAT/GAP
Start	255	End	878
GI	7528_2.R1084	Score	1143
Exons	255..878		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	13598	Seq. ID	OJ991211_49.0228.C25
Gene No.	28924	Strand	-
Start	255	End	1835
Name	OJ991211_49.0228.C25.o2.tm	Method	TBLASTX:Maize
Start	770	End	1200
GI	none	Score	95
Exons	770..859, 784..855, 785..862, 786..884, 832..918, 852..923, 852..920, 854..931, 904..1017, 919..1017, 920..1018, 1021..1194, 1021..1200		

Seq. No.	13598	Seq. ID	OJ991211_49.0228.C25
Gene No.	28925	Strand	
Start	1839	End	2584
Name	OJ991211_49.0228.C25.o3.tm	Method	TBLASTX:Maize
Start	1839	End	2584
GI	none	Score	153
Exons	1839..1901, 2433..2525, 2435..2539, 2453..2539, 2525..2557, 2525..2557, 2532..2582, 2552..2584		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26

Gene No.	28926	Strand	+
Start	1868	End	2384
Name	OJ991211_49.0228.C26.o3.gp	Method	AAT/GAP
Start	1868	End	2384
GI	uC-osf1M202083h12b1	Score	968
Exons	1868..2384		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28927	Strand	-
Start	1	End	578
Name	OJ991211_49.0228.C26.o1.gp	Method	AAT/GAP
Start	1	End	578
GI	14384_1.R1084	Score	1116
Exons	1..578		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o1.tw	Method	TBLASTX:Wheat
Start	1	End	665
GI	none	Score	983
Exons	1..660, 3..665, 3..665		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o2.tm	Method	TBLASTX:Maize
Start	1	End	310
GI	none	Score	444
Exons	1..294, 1..297, 104..310		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o3.tc	Method	TBLASTX:Cress
Start	1	End	199
GI	none	Score	274
Exons	1..198, 3..197, 68..199		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o4.tc	Method	TBLASTX:Cress
Start	282	End	429
GI	none	Score	198
Exons	282..428, 293..427, 307..429		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o5.tm	Method	TBLASTX:Maize
Start	372	End	661
GI	none	Score	223
Exons	372..641, 373..660, 377..661, 378..656		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o1.tm	Method	TBLASTX:Maize
Start	664	End	1410
GI	none	Score	54
Exons	664..714, 670..1398, 712..1410		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o2.gp	Method	AAT/GAP
Start	675	End	1404
GI	24824_1.R1084	Score	1379
Exons	675..1404		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o1.ts	Method	TBLASTX:Soybean
Start	734	End	1437
GI	none	Score	567
Exons	734..1249, 734..1414, 736..1437, 751..1437		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o4.tw	Method	TBLASTX:Wheat
Start	809	End	991
GI	none	Score	266
Exons	809..991, 811..990		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o1.tc	Method	TBLASTX:Cress
Start	952	End	1428
GI	none	Score	549
Exons	952..1389, 952..1392, 971..1393, 1044..1394, 1396..1428		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720
Name	OJ991211_49.0228.C26.o2.tw	Method	TBLASTX:Wheat
Start	992	End	1677
GI	none	Score	265
Exons	992..1417, 993..1175, 994..1446, 994..1446, 1038..1466, 1430..1504, 1460..1558, 1467..1529, 1516..1677, 1532..1675, 1549..1677		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28928	Strand	-
Start	675	End	1720

Name	OJ991211_49.0228.C26.o4.tm	Method	TBLASTX:Maize
Start	1411	End	1720
GI	none	Score	130
Exons	1411..1536, 1413..1538, 1503..1607, 1511..1621, 1513..1608, 1533..1610, 1556..1612, 1597..1716, 1598..1720		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28929	Strand	
Start	1660	End	2393
Name	OJ991211_49.0228.C26.o2.ts	Method	TBLASTX:Soybean
Start	1660	End	2393
GI	none	Score	328
Exons	1660..1716, 2150..2392, 2151..2393		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28929	Strand	
Start	1660	End	2393
Name	OJ991211_49.0228.C26.o3.tw	Method	TBLASTX:Wheat
Start	1845	End	2277
GI	none	Score	308
Exons	1845..2054, 1845..2057, 1846..2067, 1879..2058, 2045..2131, 2056..2130, 2066..2176, 2128..2277, 2138..2275, 2182..2277		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28929	Strand	
Start	1660	End	2393
Name	OJ991211_49.0228.C26.o6.tm	Method	TBLASTX:Maize
Start	1862	End	2052
GI	none	Score	68
Exons	1862..1918, 1863..1916, 1866..1922, 1879..1917, 1890..2051, 1913..2050, 1915..2052, 1915..2052		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28929	Strand	
Start	1660	End	2393
Name	OJ991211_49.0228.C26.o3.tm	Method	TBLASTX:Maize
Start	2053	End	2393
GI	none	Score	35
Exons	2053..2070, 2075..2104, 2075..2104, 2095..2391, 2102..2392, 2127..2393		

Seq. No.	13599	Seq. ID	OJ991211_49.0228.C26
Gene No.	28929	Strand	
Start	1660	End	2393
Name	OJ991211_49.0228.C26.o2.tc	Method	TBLASTX:Cress
Start	2147	End	2393
GI	none	Score	332
Exons	2147..2392, 2148..2393		

Seq. No.	13600	Seq. ID	OJ991211_49.0228.C27
Gene No.	28930	Strand	
Start	1	End	1368
Name	OJ991211_49.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	847
GI	none	Score	63
Exons	1..30, 3..47, 66..302, 66..287, 77..301, 414..662, 416..661, 462..758, 719..847, 720..842		

Seq. No.	13600	Seq. ID	OJ991211_49.0228.C27
Gene No.	28930	Strand	
Start	1	End	1368
Name	OJ991211_49.0228.C27.o1.tc	Method	TBLASTX:Cress
Start	2	End	1368
GI	none	Score	491
Exons	2..301, 3..305, 3..302, 412..636, 413..661, 414..662, 456..662, 502..663, 719..1063, 719..1042, 1030..1113, 1034..1273, 1040..1201, 1044..1208, 1198..1368		

Seq. No.	13600	Seq. ID	OJ991211_49.0228.C27
Gene No.	28930	Strand	
Start	1	End	1368
Name	OJ991211_49.0228.C27.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1273
GI	none	Score	492
Exons	2..304, 3..305, 6..305, 413..661, 414..662, 456..662, 502..663, 719..1273, 719..1183, 723..1190, 1198..1272		

Seq. No.	13600	Seq. ID	OJ991211_49.0228.C27
Gene No.	28930	Strand	
Start	1	End	1368
Name	OJ991211_49.0228.C27.o1.tw	Method	TBLASTX:Wheat
Start	3	End	299
GI	none	Score	63
Exons	3..47, 66..299, 72..239, 77..295		

Seq. No.	13600	Seq. ID	OJ991211_49.0228.C27
Gene No.	28930	Strand	
Start	1	End	1368
Name	OJ991211_49.0228.C27.o2.tw	Method	TBLASTX:Wheat
Start	435	End	815
GI	none	Score	269
Exons	435..662, 458..661, 719..814, 720..815		

Seq. No.	13600	Seq. ID	OJ991211_49.0228.C27
Gene No.	28930	Strand	
Start	1	End	1368
Name	OJ991211_49.0228.C27.o2.tm	Method	TBLASTX:Maize
Start	951	End	1335
GI	none	Score	72
Exons	951..998, 952..1020, 988..1113, 1004..1222, 1005..1334, 1005..1295, 1198..1335		

Seq. No.	13600	Seq. ID	OJ991211_49.0228.C27
Gene No.	28931	Strand	
Start	1503	End	1779
Name	OJ991211_49.0228.C27.o3.tm	Method	TBLASTX:Maize
Start	1503	End	1779
GI	none	Score	51
Exons	1503..1568, 1558..1779, 1600..1779		

Seq. No.	13601	Seq. ID	OJ991211_49.0228.C28
Gene No.	28932	Strand	+
Start	168	End	1171
Name	OJ991211_49.0228.C28.o1.tm	Method	TBLASTX:Maize

Start	1	End	1171
GI	none	Score	83
Exons	1..54, 1..45, 2..52, 3..53, 47..109, 49..108, 94..216, 108..209, 143..265, 183..230, 188..232, 226..270, 237..299, 237..284, 239..301, 331..354, 332..358, 351..404, 352..399, 375..404, 434..616, 435..617, 461..622, 619..825, 619..1095, 620..1096, 836..1096, 1085..1144, 1092..1115, 1127..1171, 1148..1171		

Seq. No.	13601	Seq. ID	OJ991211_49.0228.C28
Gene No.	28932	Strand	+
Start	168	End	1171
Name	OJ991211_49.0228.C28.o1.gp	Method	AAT/GAP
Start	168	End	1138
GI	2409_1.R1084	Score	1900
Exons	168..1138		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	13601	Seq. ID	OJ991211_49.0228.C28
Gene No.	28932	Strand	+
Start	168	End	1171
Name	OJ991211_49.0228.C28.o1.tc	Method	TBLASTX:Cress
Start	718	End	1119
GI	none	Score	101
Exons	718..1068, 720..785, 722..1036, 724..1068, 845..1069, 948..1112, 985..1119		

Seq. No.	13601	Seq. ID	OJ991211_49.0228.C28
Gene No.	28932	Strand	+
Start	168	End	1171
Name	OJ991211_49.0228.C28.o1.ts	Method	TBLASTX:Soybean
Start	778	End	1096
GI	none	Score	414
Exons	778..1089, 779..1096		

Seq. No.	13602	Seq. ID	OJ991211_49.0228.C29
Gene No.	28933	Strand	+
Start	187	End	563
Name	OJ991211_49.0228.C29.o1.gp	Method	AAT/GAP
Start	187	End	552
GI	24824_1.R1084	Score	621
Exons	187..552		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	13602	Seq. ID	OJ991211_49.0228.C29
Gene No.	28933	Strand	+
Start	187	End	563
Name	OJ991211_49.0228.C29.o1.ts	Method	TBLASTX:Soybean
Start	193	End	493
GI	none	Score	458
Exons	193..375, 194..493, 201..476, 253..486		

Seq. No.	13602	Seq. ID	OJ991211_49.0228.C29
Gene No.	28933	Strand	+
Start	187	End	563
Name	OJ991211_49.0228.C29.o1.tm	Method	TBLASTX:Maize
Start	200	End	563
GI	none	Score	532
Exons	200..508, 201..557, 201..515, 513..563, 516..563		

Seq. No.	13602	Seq. ID	OJ991211_49.0228.C29
Gene No.	28933	Strand	+
Start	187	End	563
Name	OJ991211_49.0228.C29.o1.tw	Method	TBLASTX:Wheat
Start	201	End	418
GI	none	Score	377
Exons	201..416, 203..418		

Seq. No.	13602	Seq. ID	OJ991211_49.0228.C29
Gene No.	28934	Strand	
Start	561	End	688
Name	OJ991211_49.0228.C29.o2.tw	Method	TBLASTX:Wheat
Start	561	End	688
GI	none	Score	152
Exons	561..683, 562..684, 563..688, 567..686		

Seq. No.	13603	Seq. ID	OJ991211_49.0228.C30
Gene No.	28935	Strand	
Start	91	End	614
Name	OJ991211_49.0228.C30.o1.ts	Method	TBLASTX:Soybean
Start	91	End	414
GI	none	Score	79
Exons	91..174, 93..173, 177..263, 178..264, 178..267, 362..412, 364..414		

Seq. No.	13603	Seq. ID	OJ991211_49.0228.C30
Gene No.	28935	Strand	
Start	91	End	614
Name	OJ991211_49.0228.C30.o1.tm	Method	TBLASTX:Maize
Start	105	End	595
GI	none	Score	104
Exons	105..179, 106..177, 106..180, 107..202, 147..383, 158..385, 159..383, 176..385, 524..595		

Seq. No.	13603	Seq. ID	OJ991211_49.0228.C30
Gene No.	28935	Strand	
Start	91	End	614
Name	OJ991211_49.0228.C30.o1.tc	Method	TBLASTX:Cress
Start	346	End	614
GI	none	Score	76
Exons	346..402, 349..423, 411..461, 412..462, 469..612, 495..614, 496..612, 497..613, 498..614		

Seq. No.	13604	Seq. ID	OJ991211_49.0228.C31
Gene No.	28936	Strand	+
Start	204	End	534
Name	OJ991211_49.0228.C31.o1.tw	Method	TBLASTX:Wheat
Start	7	End	356

GI	none	Score	110
Exons	7..144, 240..356		
Seq. No.	13604	Seq. ID	OJ991211_49.0228.C31
Gene No.	28936	Strand	+
Start	204	End	534
Name	OJ991211_49.0228.C31.o1.tc	Method	TBLASTX:Cress
Start	162	End	530
GI	none	Score	579
Exons	162..530, 162..512		
Seq. No.	13604	Seq. ID	OJ991211_49.0228.C31
Gene No.	28936	Strand	+
Start	204	End	534
Name	OJ991211_49.0228.C31.o1.gp	Method	AAT/GAP
Start	204	End	534
GI	5455469	Score	658
Exons	204..534		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		
Seq. No.	13605	Seq. ID	OJ991211_47.0228.C3
Gene No.	28937	Strand	
Start	4	End	303
Name	OJ991211_47.0228.C3.o2.tw	Method	TBLASTX:Wheat
Start	4	End	303
GI	none	Score	106
Exons	4..216, 217..303, 232..303		
Seq. No.	13605	Seq. ID	OJ991211_47.0228.C3
Gene No.	28938	Strand	
Start	307	End	894
Name	OJ991211_47.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	307	End	789
GI	none	Score	51
Exons	307..357, 411..746, 412..789, 421..786		
Seq. No.	13605	Seq. ID	OJ991211_47.0228.C3
Gene No.	28938	Strand	
Start	307	End	894
Name	OJ991211_47.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	412	End	843
GI	none	Score	366
Exons	412..843, 642..836		
Seq. No.	13605	Seq. ID	OJ991211_47.0228.C3
Gene No.	28938	Strand	
Start	307	End	894
Name	OJ991211_47.0228.C3.o1.tc	Method	TBLASTX:Cress
Start	436	End	753
GI	none	Score	180
Exons	436..753		

Seq. No.	13605	Seq. ID	OJ991211_47.0228.C3
Gene No.	28938	Strand	
Start	307	End	894
Name	OJ991211_47.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	730	End	894
GI	none	Score	57
Exons	730..762, 732..761, 766..894, 768..806		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28939	Strand	
Start	2345	End	2898
Name	OJ991211_47.0228.C7.o6.tw	Method	TBLASTX:Wheat
Start	2345	End	2721
GI	none	Score	52
Exons	2345..2461, 2358..2462, 2362..2721, 2487..2720		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28939	Strand	
Start	2345	End	2898
Name	OJ991211_47.0228.C7.o6.tm	Method	TBLASTX:Maize
Start	2602	End	2898
GI	none	Score	210
Exons	2602..2898, 2602..2856, 2619..2789		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28940	Strand	
Start	3292	End	3644
Name	OJ991211_47.0228.C7.o7.tw	Method	TBLASTX:Wheat
Start	3292	End	3644
GI	none	Score	44
Exons	3292..3330, 3315..3644		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28941	Strand	
Start	3819	End	4688
Name	OJ991211_47.0228.C7.o3.tw	Method	TBLASTX:Wheat
Start	3819	End	4301
GI	none	Score	546
Exons	3819..4301, 3923..4258, 3948..4292		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28941	Strand	
Start	3819	End	4688
Name	OJ991211_47.0228.C7.o4.tm	Method	TBLASTX:Maize
Start	3831	End	4120
GI	none	Score	318
Exons	3831..4118, 3929..4120		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28941	Strand	
Start	3819	End	4688
Name	OJ991211_47.0228.C7.o3.tm	Method	TBLASTX:Maize
Start	4188	End	4688
GI	none	Score	161
Exons	4188..4367, 4353..4688, 4439..4570, 4595..4645		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28941	Strand	
Start	3819	End	4688
Name	OJ991211_47.0228.C7.o1.ts	Method	TBLASTX:Soybean
Start	4242	End	4637
GI	none	Score	57
Exons	4242..4274, 4242..4286, 4278..4637, 4278..4421, 4382..4636		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28941	Strand	
Start	3819	End	4688
Name	OJ991211_47.0228.C7.o5.tw	Method	TBLASTX:Wheat
Start	4350	End	4652
GI	none	Score	402
Exons	4350..4652, 4350..4643, 4382..4651		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28942	Strand	
Start	4653	End	5162
Name	OJ991211_47.0228.C7.o1.tw	Method	TBLASTX:Wheat
Start	4653	End	5162
GI	none	Score	630
Exons	4653..5162, 4685..4996, 4731..5078		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28942	Strand	
Start	4653	End	5162
Name	OJ991211_47.0228.C7.o3.ts	Method	TBLASTX:Soybean
Start	4659	End	4904
GI	none	Score	202
Exons	4659..4904		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28942	Strand	
Start	4653	End	5162
Name	OJ991211_47.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	4725	End	5090
GI	none	Score	488
Exons	4725..5078, 4727..4993, 4779..5090		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28943	Strand	
Start	5166	End	5693
Name	OJ991211_47.0228.C7.o2.tw	Method	TBLASTX:Wheat
Start	5166	End	5645
GI	none	Score	584
Exons	5166..5645, 5199..5612, 5390..5644		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28943	Strand	
Start	5166	End	5693
Name	OJ991211_47.0228.C7.o5.tm	Method	TBLASTX:Maize
Start	5295	End	5609
GI	none	Score	267
Exons	5295..5609, 5376..5597, 5405..5608		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7

Gene No.	28943	Strand	
Start	5166	End	5693
Name	OJ991211_47.0228.C7.o1.tc	Method	TBLASTX:Cress
Start	5352	End	5669
GI	none	Score	90
Exons	5352..5525, 5526..5669, 5528..5668		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28943	Strand	
Start	5166	End	5693
Name	OJ991211_47.0228.C7.o2.ts	Method	TBLASTX:Soybean
Start	5433	End	5693
GI	none	Score	282
Exons	5433..5693, 5444..5692		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28944	Strand	
Start	5610	End	6014
Name	OJ991211_47.0228.C7.o2.tm	Method	TBLASTX:Maize
Start	5610	End	5930
GI	none	Score	439
Exons	5610..5927, 5621..5923, 5625..5930		

Seq. No.	13606	Seq. ID	OJ991211_47.0228.C7
Gene No.	28944	Strand	
Start	5610	End	6014
Name	OJ991211_47.0228.C7.o4.tw	Method	TBLASTX:Wheat
Start	5651	End	6014
GI	none	Score	462
Exons	5651..6013, 5652..6014, 5652..6014		

Seq. No.	13607	Seq. ID	OJ991211_47.0228.C8
Gene No.	28945	Strand	+
Start	1072	End	1457
Name	OJ991211_47.0228.C8.o1.gp	Method	AAT/GAP
Start	1072	End	1457
GI	uC-osflcyp033a04b1	Score	641
Exons	1072..1457		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13608	Seq. ID	OJ991211_47.0228.C9
Gene No.	28946	Strand	
Start	1	End	551
Name	OJ991211_47.0228.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	504
GI	none	Score	591
Exons	1..504, 6..500, 139..501		

Seq. No.	13608	Seq. ID	OJ991211_47.0228.C9
Gene No.	28946	Strand	
Start	1	End	551
Name	OJ991211_47.0228.C9.o2.tm	Method	TBLASTX:Maize
Start	154	End	468
GI	none	Score	249
Exons	154..468, 265..318, 366..467		

Seq. No.	13608	Seq. ID	OJ991211_47.0228.C9
Gene No.	28946	Strand	
Start	1	End	551
Name	OJ991211_47.0228.C9.o1.tc	Method	TBLASTX:Cress
Start	211	End	528
GI	none	Score	107
Exons	211..384, 219..332, 385..528,	387..527	

Seq. No.	13608	Seq. ID	OJ991211_47.0228.C9
Gene No.	28946	Strand	
Start	1	End	551
Name	OJ991211_47.0228.C9.o1.ts	Method	TBLASTX:Soybean
Start	303	End	551
GI	none	Score	275
Exons	303..551, 304..549		

Seq. No.	13608	Seq. ID	OJ991211_47.0228.C9
Gene No.	28947	Strand	
Start	469	End	955
Name	OJ991211_47.0228.C9.o1.tm	Method	TBLASTX:Maize
Start	469	End	789
GI	none	Score	464
Exons	469..786, 471..788, 484..789		

Seq. No.	13608	Seq. ID	OJ991211_47.0228.C9
Gene No.	28947	Strand	
Start	469	End	955
Name	OJ991211_47.0228.C9.o2.tw	Method	TBLASTX:Wheat
Start	511	End	955
GI	none	Score	491
Exons	511..948, 513..947, 604..954,	662..955	

Seq. No.	13608	Seq. ID	OJ991211_47.0228.C9
Gene No.	28947	Strand	
Start	469	End	955
Name	OJ991211_47.0228.C9.o3.tm	Method	TBLASTX:Maize
Start	790	End	948
GI	none	Score	90
Exons	790..852, 795..848, 838..933,	849..947, 850..948	

Seq. No.	13609	Seq. ID	OJ991211_47.0228.C10
Gene No.	28948	Strand	
Start	2735	End	3224
Name	OJ991211_47.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	2735	End	3068
GI	none	Score	371
Exons	2735..3067, 2736..3068		

Seq. No.	13609	Seq. ID	OJ991211_47.0228.C10
Gene No.	28948	Strand	
Start	2735	End	3224
Name	OJ991211_47.0228.C10.o1.tw	Method	TBLASTX:Wheat
Start	2838	End	3224
GI	none	Score	415
Exons	2838..3224, 2858..3151		

Seq. No.	13609	Seq. ID	OJ991211_47.0228.C10

Gene No.	28949	Strand	
Start	15102	End	16126
Name	OJ991211_47.0228.C10.o1.tc	Method	TBLASTX:Cress
Start	15102	End	16122
GI	none	Score	71
Exons	15102..15230, 15345..15551, 15661..15867, 16021..16122, 16025..16120		

Seq. No.	13609	Seq. ID	OJ991211_47.0228.C10
Gene No.	28949	Strand	
Start	15102	End	16126
Name	OJ991211_47.0228.C10.o2.tm	Method	TBLASTX:Maize
Start	15372	End	16126
GI	none	Score	155
Exons	15372..15611, 15703..15909, 16025..16126		

Seq. No.	13609	Seq. ID	OJ991211_47.0228.C10
Gene No.	28949	Strand	
Start	15102	End	16126
Name	OJ991211_47.0228.C10.o1.ts	Method	TBLASTX:Soybean
Start	15432	End	16126
GI	none	Score	95
Exons	15432..15569, 15685..15918, 16025..16126		

Seq. No.	13609	Seq. ID	OJ991211_47.0228.C10
Gene No.	28949	Strand	
Start	15102	End	16126
Name	OJ991211_47.0228.C10.o2.tw	Method	TBLASTX:Wheat
Start	15703	End	16126
GI	none	Score	151
Exons	15703..15909, 16021..16125, 16025..16126		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28950	Strand	
Start	204	End	1564
Name	OJ991211_47.0228.C11.o2.tw	Method	TBLASTX:Wheat
Start	204	End	679
GI	none	Score	341
Exons	204..590, 242..589, 283..591, 599..679, 605..679		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28950	Strand	
Start	204	End	1564
Name	OJ991211_47.0228.C11.o4.ts	Method	TBLASTX:Soybean
Start	332	End	673
GI	none	Score	95
Exons	332..541, 353..541, 560..673, 567..590		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28950	Strand	
Start	204	End	1564
Name	OJ991211_47.0228.C11.o3.tm	Method	TBLASTX:Maize
Start	536	End	874
GI	none	Score	181
Exons	536..874, 551..874		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11

Gene No.	28950	Strand	
Start	204	End	1564
Name	OJ991211_47.0228.C11.o2.ts	Method	TBLASTX:Soybean
Start	686	End	1031
GI	none	Score	122
Exons	686..1030, 831..1031		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28950	Strand	
Start	204	End	1564
Name	OJ991211_47.0228.C11.o3.tw	Method	TBLASTX:Wheat
Start	884	End	1429
GI	none	Score	50
Exons	884..1090, 894..1025, 1085..1429, 1109..1282		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28950	Strand	
Start	204	End	1564
Name	OJ991211_47.0228.C11.o2.tm	Method	TBLASTX:Maize
Start	965	End	1430
GI	none	Score	55
Exons	965..1429, 1068..1178, 1112..1414, 1248..1430		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28950	Strand	
Start	204	End	1564
Name	OJ991211_47.0228.C11.o1.ts	Method	TBLASTX:Soybean
Start	1100	End	1564
GI	5509260	Score	58
Exons	1100..1564, 1119..1178, 1251..1346, 1395..1463		
GI Descrip.	-		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28950	Strand	
Start	204	End	1564
Name	OJ991211_47.0228.C11.o1.tc	Method	TBLASTX:Cress
Start	1211	End	1471
GI	none	Score	62
Exons	1211..1471, 1392..1469		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28951	Strand	
Start	1484	End	2692
Name	OJ991211_47.0228.C11.o1.tw	Method	TBLASTX:Wheat
Start	1484	End	2239
GI	none	Score	200
Exons	1484..1717, 1485..1643, 1501..1731, 1504..1701, 1752..2231, 1781..2239		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28951	Strand	
Start	1484	End	2692
Name	OJ991211_47.0228.C11.o2.tc	Method	TBLASTX:Cress
Start	1865	End	2254
GI	none	Score	112
Exons	1865..2059, 2072..2254		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28951	Strand	
Start	1484	End	2692
Name	OJ991211_47.0228.C11.o3.ts	Method	TBLASTX:Soybean
Start	1889	End	2287
GI	none	Score	38
Exons	1889..2062, 2016..2054, 2063..2287, 2109..2279		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28951	Strand	
Start	1484	End	2692
Name	OJ991211_47.0228.C11.o4.tm	Method	TBLASTX:Maize
Start	2075	End	2509
GI	none	Score	85
Exons	2075..2509, 2100..2300		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28951	Strand	
Start	1484	End	2692
Name	OJ991211_47.0228.C11.o4.tw	Method	TBLASTX:Wheat
Start	2240	End	2578
GI	none	Score	74
Exons	2240..2578, 2261..2446		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28951	Strand	
Start	1484	End	2692
Name	OJ991211_47.0228.C11.o5.ts	Method	TBLASTX:Soybean
Start	2297	End	2692
GI	none	Score	90
Exons	2297..2545, 2528..2692		

Seq. No.	13610	Seq. ID	OJ991211_47.0228.C11
Gene No.	28952	Strand	
Start	2710	End	3032
Name	OJ991211_47.0228.C11.o1.tm	Method	TBLASTX:Maize
Start	2710	End	3032
GI	none	Score	379
Exons	2710..2877, 2711..3025, 2712..3005, 2778..3032		

Seq. No.	13611	Seq. ID	OJ991211_47.0228.C12
Gene No.	28953	Strand	+
Start	1923	End	2399
Name	OJ991211_47.0228.C12.o1.gp	Method	AAT/GAP
Start	1923	End	2399
GI	uC-osroM202013b04b1	Score	914
Exons	1923..2399		
GI Descrip.	'2191172 1.0e-11 (AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]'		

Seq. No.	13612	Seq. ID	OJ991211_47.0228.C16
Gene No.	28954	Strand	
Start	1	End	387
Name	OJ991211_47.0228.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	189
GI	none	Score	76
Exons	1..153, 4..159, 157..189		

Seq. No.	13612	Seq. ID	OJ991211_47.0228.C16
Gene No.	28954	Strand	
Start	1	End	387
Name	OJ991211_47.0228.C16.o1.tw	Method	TBLASTX:Wheat
Start	49	End	387
GI	none	Score	128
Exons	49..252, 55..252, 56..253, 256..339, 260..340, 322..387		

Seq. No.	13612	Seq. ID	OJ991211_47.0228.C16
Gene No.	28954	Strand	
Start	1	End	387
Name	OJ991211_47.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	76	End	384
GI	none	Score	259
Exons	76..384		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28955	Strand	
Start	139	End	564
Name	OJ991211_47.0228.C21.o1.tm	Method	TBLASTX:Maize
Start	139	End	492
GI	none	Score	215
Exons	139..492, 146..487		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28955	Strand	
Start	139	End	564
Name	OJ991211_47.0228.C21.o1.tw	Method	TBLASTX:Wheat
Start	139	End	564
GI	none	Score	322
Exons	139..564, 146..562		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28955	Strand	
Start	139	End	564
Name	OJ991211_47.0228.C21.o1.ts	Method	TBLASTX:Soybean
Start	310	End	558
GI	none	Score	209
Exons	310..558		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28956	Strand	
Start	647	End	1029
Name	OJ991211_47.0228.C21.o2.tw	Method	TBLASTX:Wheat
Start	647	End	1029
GI	none	Score	83
Exons	647..880, 648..1028, 649..1029		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28956	Strand	
Start	647	End	1029
Name	OJ991211_47.0228.C21.o2.ts	Method	TBLASTX:Soybean
Start	678	End	992
GI	none	Score	198
Exons	678..992		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28956	Strand	
Start	647	End	1029
Name	OJ991211_47.0228.C21.o2.tm	Method	TBLASTX:Maize
Start	727	End	1019
GI	none	Score	172
Exons	727..1017, 729..1019		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28957	Strand	
Start	1121	End	1426
Name	OJ991211_47.0228.C21.o4.tw	Method	TBLASTX:Wheat
Start	1121	End	1426
GI	none	Score	62
Exons	1121..1426, 1136..1426		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28958	Strand	
Start	1805	End	2351
Name	OJ991211_47.0228.C21.o3.tm	Method	TBLASTX:Maize
Start	1805	End	2111
GI	none	Score	133
Exons	1805..1942, 1941..2111		

Seq. No.	13613	Seq. ID	OJ991211_47.0228.C21
Gene No.	28958	Strand	
Start	1805	End	2351
Name	OJ991211_47.0228.C21.o3.tw	Method	TBLASTX:Wheat
Start	1992	End	2351
GI	none	Score	56
Exons	1992..2351, 2248..2325		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28959	Strand	+
Start	10480	End	11384
Name	OJ991211_47.0228.C22.o2.gp	Method	AAT/GAP
Start	10480	End	11384
GI	6547_1.R1084	Score	1142
Exons	10480..10987, 11090..11384		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28960	Strand	-
Start	8256	End	9141
Name	OJ991211_47.0228.C22.o3.tw	Method	TBLASTX:Wheat
Start	760	End	1093
GI	none	Score	141
Exons	760..1092, 812..1093		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28960	Strand	-
Start	8256	End	9141
Name	OJ991211_47.0228.C22.o1.tm	Method	TBLASTX:Maize
Start	955	End	1540
GI	none	Score	100
Exons	955..1380, 956..1153, 976..1221, 1217..1381, 1378..1539,		

1385..1540

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28960	Strand	-
Start	8256	End	9141
Name	OJ991211_47.0228.C22.o1.tw	Method	TBLASTX:Wheat
Start	1093	End	1719
GI	none	Score	44
Exons	1093..1719, 1094..1153, 1214..1660		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28960	Strand	-
Start	8256	End	9141
Name	OJ991211_47.0228.C22.o2.tm	Method	TBLASTX:Maize
Start	1588	End	1880
GI	none	Score	296
Exons	1588..1878, 1592..1879, 1779..1880		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28960	Strand	-
Start	8256	End	9141
Name	OJ991211_47.0228.C22.o1.ts	Method	TBLASTX:Soybean
Start	1678	End	1938
GI	none	Score	185
Exons	1678..1938, 1679..1927		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28960	Strand	-
Start	8256	End	9141
Name	OJ991211_47.0228.C22.o1.tc	Method	TBLASTX:Cress
Start	1702	End	2028
GI	none	Score	87
Exons	1702..1845, 1703..1843, 1846..2028		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28960	Strand	-
Start	8256	End	9141
Name	OJ991211_47.0228.C22.o2.tw	Method	TBLASTX:Wheat
Start	1725	End	2265
GI	none	Score	132
Exons	1725..1979, 1726..2265, 1730..2083		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28960	Strand	-
Start	8256	End	9141
Name	OJ991211_47.0228.C22.o1.gp	Method	AAT/GAP
Start	8256	End	9141
GI	uC-osroM202028g12b1	Score	211
Exons	8256..8317, 9070..9141		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	13614	Seq. ID	OJ991211_47.0228.C22
Gene No.	28961	Strand	
Start	10558	End	10903
Name	OJ991211_47.0228.C22.o3.tm	Method	TBLASTX:Maize
Start	10558	End	10903

GI	none	Score	148
Exons	10558..10665, 10558..10656, 10560..10757, 10563..10760, 10769..10804, 10850..10903		

Seq. No.	13615	Seq. ID	OJ991211_47.0228.C23
Gene No.	28962	Strand	
Start	273	End	1217
Name	OJ991211_47.0228.C23.o1.tm	Method	TBLASTX:Maize
Start	273	End	1198
GI	none	Score	137
Exons	273..371, 677..841, 950..1198		

Seq. No.	13615	Seq. ID	OJ991211_47.0228.C23
Gene No.	28962	Strand	
Start	273	End	1217
Name	OJ991211_47.0228.C23.o1.ts	Method	TBLASTX:Soybean
Start	273	End	1217
GI	none	Score	114
Exons	273..371, 630..842, 652..837, 662..871, 992..1216, 1002..1091, 1155..1217		

Seq. No.	13615	Seq. ID	OJ991211_47.0228.C23
Gene No.	28962	Strand	
Start	273	End	1217
Name	OJ991211_47.0228.C23.o1.tc	Method	TBLASTX:Cress
Start	630	End	1129
GI	none	Score	108
Exons	630..842, 662..874, 981..1091, 992..1129		

Seq. No.	13616	Seq. ID	OJ991121_39.0229.C3
Gene No.	28963	Strand	-
Start	111	End	283
Name	OJ991121_39.0229.C3.o1.gs	Method	GENSCAN
Start	111	End	283
GI	none	Score	.71
Exons	111..283		

Seq. No.	13617	Seq. ID	OJ991121_39.0229.C6
Gene No.	28964	Strand	-
Start	193	End	324
Name	OJ991121_39.0229.C6.o1.gs	Method	GENSCAN
Start	193	End	324
GI	none	Score	.83
Exons	193..324		

Seq. No.	13618	Seq. ID	OJ991121_39.0229.C7
Gene No.	28965	Strand	+
Start	1	End	1286
Name	OJ991121_39.0229.C7.o1.np	Method	AAT/NAP
Start	1	End	1286
GI	5821153	Score	83
Exons	1..177, 406..981, 1018..1286		
GI Descrip.	(AB016092) RNA binding protein [Homo sapiens]		

Seq. No.	13618	Seq. ID	OJ991121_39.0229.C7
Gene No.	28965	Strand	+
Start	1	End	1286

Name	OJ991121_39.0229.C7.o1.gs	Method	GENSCAN
Start	372	End	1232
GI	none	Score	.74
Exons	372..1232		

Seq. No.	13619	Seq. ID	OJ991121_39.0229.C8
Gene No.	28966	Strand	+
Start	1	End	1748
Name	OJ991121_39.0229.C8.o1.np	Method	AAT/NAP
Start	1	End	1748
GI	2911056	Score	100
Exons	1..46, 332..544, 1385..1468, 1573..1607, 1720..1748		
GI Descrip.	(AL021961) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13619	Seq. ID	OJ991121_39.0229.C8
Gene No.	28966	Strand	+
Start	1	End	1748
Name	OJ991121_39.0229.C8.o1.gs	Method	GENSCAN
Start	61	End	653
GI	none	Score	.65
Exons	61..653		

Seq. No.	13619	Seq. ID	OJ991121_39.0229.C8
Gene No.	28966	Strand	+
Start	1	End	1748
Name	OJ991121_39.0229.C8.o1.gp	Method	AAT/GAP
Start	97	End	1712
GI	4715757	Score	1125
Exons	97..537, 1378..1468, 1573..1712		

Seq. No.	13619	Seq. ID	OJ991121_39.0229.C8
Gene No.	28967	Strand	-
Start	1045	End	1173
Name	OJ991121_39.0229.C8.o2.gs	Method	GENSCAN
Start	1045	End	1173
GI	none	Score	.57
Exons	1045..1173		

Seq. No.	13620	Seq. ID	OJ991121_39.0229.C9
Gene No.	28968	Strand	+
Start	1	End	2048
Name	OJ991121_39.0229.C9.o1.np	Method	AAT/NAP
Start	1	End	2048
GI	6143875	Score	193
Exons	1..161, 1131..1210, 1533..1617, 1712..1803, 2034..2048		
GI Descrip.	(AC010927) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13620	Seq. ID	OJ991121_39.0229.C9
Gene No.	28968	Strand	+
Start	1	End	2048
Name	OJ991121_39.0229.C9.o1.tm	Method	TBLASTX:Maize
Start	69	End	1969
GI	none	Score	63
Exons	69..158, 1125..1211, 1531..1620, 1539..1619, 1703..1798, 1705..1806, 1877..1969, 1896..1964		

Seq. No.	13620	Seq. ID	OJ991121_39.0229.C9

Gene No.	28968	Strand	+
Start	1	End	2048
Name	OJ991121_39.0229.C9.o1.gs	Method	GENSCAN
Start	1131	End	1803
GI	none	Score	.58
Exons	1131..1210, 1533..1617, 1712..1803		

Seq. No.	13620	Seq. ID	OJ991121_39.0229.C9
Gene No.	28968	Strand	+
Start	1	End	2048
Name	OJ991121_39.0229.C9.o1.gp	Method	AAT/GAP
Start	1161	End	2003
GI	none	Score	491
Exons	1161..1210, 1533..1617, 1712..1803, 1895..2003		

Seq. No.	13621	Seq. ID	OJ991121_39.0229.C10
Gene No.	28969	Strand	+
Start	546	End	2692
Name	OJ991121_39.0229.C10.o1.gs	Method	GENSCAN
Start	546	End	2203
GI	none	Score	.78
Exons	546..856, 945..981, 1067..1156, 1888..2002, 2086..2124, 2178..2203		

Seq. No.	13621	Seq. ID	OJ991121_39.0229.C10
Gene No.	28969	Strand	+
Start	546	End	2692
Name	OJ991121_39.0229.C10.o1.np	Method	AAT/NAP
Start	576	End	2692
GI	6143875	Score	160
Exons	576..856, 945..981, 1067..1264, 1704..1769, 1888..2007, 2652..2692		
GI Descrip.	(AC010927) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13621	Seq. ID	OJ991121_39.0229.C10
Gene No.	28969	Strand	+
Start	546	End	2692
Name	OJ991121_39.0229.C10.o1.tm	Method	TBLASTX:Maize
Start	768	End	2007
GI	none	Score	75
Exons	768..860, 1067..1114, 1694..1789, 1704..1793, 1885..2007		

Seq. No.	13622	Seq. ID	OJ991121_39.0229.C11
Gene No.	28970	Strand	-
Start	303	End	710
Name	OJ991121_39.0229.C11.o1.gs	Method	GENSCAN
Start	303	End	710
GI	none	Score	.48
Exons	303..710		

Seq. No.	13623	Seq. ID	OJ991121_39.0229.C13
Gene No.	28971	Strand	+
Start	463	End	569
Name	OJ991121_39.0229.C13.o1.gs	Method	GENSCAN
Start	463	End	569
GI	none	Score	.74
Exons	463..569		

Seq. No.	13624	Seq. ID	OJ991121_39.0229.C14
Gene No.	28972	Strand	+
Start	794	End	1457
Name	OJ991121_39.0229.C14.o1.gs	Method	GENSCAN
Start	794	End	1180
GI	none	Score	.62
Exons	794..1180		

Seq. No.	13624	Seq. ID	OJ991121_39.0229.C14
Gene No.	28972	Strand	+
Start	794	End	1457
Name	OJ991121_39.0229.C14.o1.gp	Method	AAT/GAP
Start	836	End	1457
GI	16986_1.R1084	Score	1127
Exons	836..1457		
GI Descrip.	'3142296 3.0e-10 (AC002411) Contains similarity to hypothetical mitochondrial import receptor subunit gb_Z98597 from S. pombe. ESTs gb_T45575 and gb_Z26435 and gb_AA394576 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	13624	Seq. ID	OJ991121_39.0229.C14
Gene No.	28972	Strand	+
Start	794	End	1457
Name	OJ991121_39.0229.C14.o1.np	Method	AAT/NAP
Start	905	End	1174
GI	3142296	Score	197
Exons	905..1174		
GI Descrip.	(AC002411) Contains similarity to hypothetical mitochondrial import receptor subunit gb|Z98597 from S. pombe. ESTs gb|T45575 and gb|Z26435 and gb|AA394576 come from this gene. [Arabidopsis thaliana]		

Seq. No.	13624	Seq. ID	OJ991121_39.0229.C14
Gene No.	28972	Strand	+
Start	794	End	1457
Name	OJ991121_39.0229.C14.o1.tm	Method	TBLASTX:Maize
Start	946	End	1105
GI	none	Score	232
Exons	946..1080, 947..1105		

Seq. No.	13624	Seq. ID	OJ991121_39.0229.C14
Gene No.	28972	Strand	+
Start	794	End	1457
Name	OJ991121_39.0229.C14.o1.ts	Method	TBLASTX:Soybean
Start	947	End	1105
GI	none	Score	53
Exons	947..1009, 991..1080, 992..1105		

Seq. No.	13624	Seq. ID	OJ991121_39.0229.C14
Gene No.	28972	Strand	+
Start	794	End	1457
Name	OJ991121_39.0229.C14.o1.tw	Method	TBLASTX:Wheat
Start	947	End	1105
GI	none	Score	224
Exons	947..1105, 949..1080		

Seq. No.	13625	Seq. ID	OJ991121_39.0229.C15
Gene No.	28973	Strand	-
Start	42	End	1570
Name	OJ991121_39.0229.C15.o1.gs	Method	GENSCAN
Start	42	End	1570
GI	none	Score	.87
Exons	42..351, 1544..1570		

Seq. No.	13626	Seq. ID	OJ991121_39.0229.C16
Gene No.	28974	Strand	+
Start	50	End	746
Name	OJ991121_39.0229.C16.o1.gs	Method	GENSCAN
Start	50	End	746
GI	none	Score	.75
Exons	50..218, 376..439, 562..746		

Seq. No.	13627	Seq. ID	OJ991121_39.0229.C17
Gene No.	28975	Strand	+
Start	1943	End	3440
Name	OJ991121_39.0229.C17.o1.tm	Method	TBLASTX:Maize
Start	1036	End	1425
GI	none	Score	88
Exons	1036..1365, 1256..1354, 1351..1425		

Seq. No.	13627	Seq. ID	OJ991121_39.0229.C17
Gene No.	28975	Strand	+
Start	1943	End	3440
Name	OJ991121_39.0229.C17.o2.tm	Method	TBLASTX:Maize
Start	1596	End	1880
GI	none	Score	69
Exons	1596..1703, 1606..1698, 1704..1781, 1717..1770, 1770..1880, 1789..1875		

Seq. No.	13627	Seq. ID	OJ991121_39.0229.C17
Gene No.	28975	Strand	+
Start	1943	End	3440
Name	OJ991121_39.0229.C17.o1.tw	Method	TBLASTX:Wheat
Start	1653	End	1881
GI	none	Score	71
Exons	1653..1880, 1683..1880, 1723..1881		

Seq. No.	13627	Seq. ID	OJ991121_39.0229.C17
Gene No.	28975	Strand	+
Start	1943	End	3440
Name	OJ991121_39.0229.C17.o1.np	Method	AAT/NAP
Start	1943	End	3440
GI	3319345	Score	305
Exons	1943..2337, 2447..3290, 3413..3440		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	13628	Seq. ID	OJ991121_39.0229.C18
Gene No.	28976	Strand	+
Start	1	End	834
Name	OJ991121_39.0229.C18.o1.np	Method	AAT/NAP
Start	1	End	834
GI	6815053	Score	548

Exons	1..43, 371..548, 598..834		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	13628	Seq. ID	OJ991121_39.0229.C18
Gene No.	28976	Strand	+
Start	1	End	834
Name	OJ991121_39.0229.C18.o1.gs	Method	GENSCAN
Start	216	End	793
GI	none	Score	.66
Exons	216..320, 373..557, 598..793		
Seq. No.	13629	Seq. ID	OJ991121_39.0229.C19
Gene No.	28977	Strand	
Start	1060	End	1365
Name	OJ991121_39.0229.C19.o1.tm	Method	TBLASTX:Maize
Start	1060	End	1365
GI	none	Score	67
Exons	1060..1119, 1080..1124, 1126..1365, 1137..1364		
Seq. No.	13630	Seq. ID	OJ991121_39.0229.C20
Gene No.	28978	Strand	-
Start	73	End	959
Name	OJ991121_39.0229.C20.o1.gs	Method	GENSCAN
Start	73	End	959
GI	none	Score	.57
Exons	73..260, 894..959		
Seq. No.	13631	Seq. ID	OJ991121_39.0229.C21
Gene No.	28979	Strand	+
Start	1	End	565
Name	OJ991121_39.0229.C21.o1.np	Method	AAT/NAP
Start	1	End	565
GI	6016874	Score	163
Exons	1..411, 534..565		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	13631	Seq. ID	OJ991121_39.0229.C21
Gene No.	28979	Strand	+
Start	1	End	565
Name	OJ991121_39.0229.C21.o1.tm	Method	TBLASTX:Maize
Start	122	End	370
GI	none	Score	196
Exons	122..370, 140..226, 202..342		
Seq. No.	13632	Seq. ID	OJ991121_39.0229.C24
Gene No.	28980	Strand	+
Start	130	End	4448
Name	OJ991121_39.0229.C24.o1.gs	Method	GENSCAN
Start	130	End	4448
GI	none	Score	.66
Exons	130..277, 4247..4448		
Seq. No.	13632	Seq. ID	OJ991121_39.0229.C24
Gene No.	28981	Strand	+
Start	10657	End	10711

Name	OJ991121_39.0229.C24.o3.gp	Method	AAT/GAP
Start	10657	End	10711
GI	557_1.R1084	Score	64
Exons	10657..10711		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	13632	Seq. ID	OJ991121_39.0229.C24
Gene No.	28982	Strand	-
Start	5682	End	8427
Name	OJ991121_39.0229.C24.o1.np	Method	AAT/NAP
Start	5101	End	8427
GI	6815052	Score	237
Exons	5101..5225, 8081..8150, 8222..8427		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13632	Seq. ID	OJ991121_39.0229.C24
Gene No.	28982	Strand	-
Start	5682	End	8427
Name	OJ991121_39.0229.C24.o2.gs	Method	GENSCAN
Start	5682	End	8383
GI	none	Score	.8
Exons	5682..5834, 5982..6191, 6526..6681, 6977..7027, 8138..8383		

Seq. No.	13632	Seq. ID	OJ991121_39.0229.C24
Gene No.	28982	Strand	-
Start	5682	End	8427
Name	OJ991121_39.0229.C24.o2.gp	Method	AAT/GAP
Start	7206	End	7772
GI	4879016	Score	852
Exons	7206..7772		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	13632	Seq. ID	OJ991121_39.0229.C24
Gene No.	28983	Strand	-
Start	9599	End	13464
Name	OJ991121_39.0229.C24.o3.gs	Method	GENSCAN
Start	9599	End	13464
GI	none	Score	.64
Exons	9599..9626, 11298..11495, 11854..12267, 12800..12989, 13383..13464		

Seq. No.	13633	Seq. ID	OJ991121_39.0229.C25
Gene No.	28984	Strand	+
Start	351	End	804
Name	OJ991121_39.0229.C25.o1.gp	Method	AAT/GAP
Start	351	End	804
GI	none	Score	890
Exons	351..804		

Seq. No.	13633	Seq. ID	OJ991121_39.0229.C25
Gene No.	28985	Strand	-
Start	644	End	2454
Name	OJ991121_39.0229.C25.o1.np	Method	AAT/NAP
Start	638	End	2454

GI	4803931	Score	134
Exons	638..829, 1839..1942, 2430..2454		
GI Descrip.	(AC006264) unknown protein [Arabidopsis thaliana]		

Seq. No.	13633	Seq. ID	OJ991121_39.0229.C25
Gene No.	28985	Strand	-
Start	644	End	2454
Name	OJ991121_39.0229.C25.o1.gs	Method	GENSCAN
Start	644	End	2224
GI	none	Score	.77
Exons	644..829, 1493..1606, 1839..1931, 2189..2224		

Seq. No.	13634	Seq. ID	OJ991121_39.0229.C26
Gene No.	28986	Strand	-
Start	1	End	732
Name	OJ991121_39.0229.C26.o1.np	Method	AAT/NAP
Start	1	End	732
GI	4803931	Score	121
Exons	1..215, 670..732		
GI Descrip.	(AC006264) unknown protein [Arabidopsis thaliana]		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28987	Strand	+
Start	5032	End	7008
Name	OJ991121_39.0229.C27.o3.np	Method	AAT/NAP
Start	5032	End	7008
GI	1644455	Score	103
Exons	5032..5190, 5242..5390, 6979..7008		
GI Descrip.	(U72520) mena protein [Mus musculus]		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28988	Strand	-
Start	1	End	1219
Name	OJ991121_39.0229.C27.o1.np	Method	AAT/NAP
Start	1	End	1219
GI	5916446	Score	164
Exons	1..101, 833..889, 1051..1219		
GI Descrip.	(AC007633) similarity to several hypothetical proteins-Arabidopsis thaliana		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o1.gs	Method	GENSCAN
Start	1487	End	6099
GI	none	Score	.44
Exons	1487..2290, 2292..2296, 2362..3763, 4295..6099		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o5.tw	Method	TBLASTX:Wheat
Start	1496	End	1703
GI	none	Score	132
Exons	1496..1699, 1497..1703		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27

Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o2.np	Method	AAT/NAP
Start	1505	End	6031
GI	2865424	Score	2031
Exons	1505..4948, 5083..5242, 5384..6031		
GI Descrip.	(AF039371) polyprotein [Arabidopsis thaliana]		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o4.tm	Method	TBLASTX:Maize
Start	1562	End	1860
GI	none	Score	105
Exons	1562..1858, 1563..1799, 1574..1858, 1663..1860		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o1.ts	Method	TBLASTX:Soybean
Start	1565	End	2161
GI	none	Score	175
Exons	1565..2161, 1566..1970, 2034..2156		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o1.tm	Method	TBLASTX:Maize
Start	1864	End	2326
GI	none	Score	70
Exons	1864..1974, 1868..2326, 1869..2315		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o1.tw	Method	TBLASTX:Wheat
Start	1925	End	2356
GI	none	Score	60
Exons	1925..2194, 1926..1979, 2037..2219, 2192..2356, 2196..2348		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o3.tm	Method	TBLASTX:Maize
Start	2333	End	2738
GI	none	Score	279
Exons	2333..2737, 2337..2738, 2553..2738		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o2.tw	Method	TBLASTX:Wheat
Start	2357	End	2870
GI	none	Score	124
Exons	2357..2539, 2525..2869, 2526..2870		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27

Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o2.ts	Method	TBLASTX:Soybean
Start	2540	End	3034
GI	5509260	Score	99
Exons	2540..3034, 2556..2711		
GI Descrip.	-		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o2.tc	Method	TBLASTX:Cress
Start	2651	End	2926
GI	none	Score	89
Exons	2651..2926, 2739..2903		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o5.tm	Method	TBLASTX:Maize
Start	2744	End	2990
GI	none	Score	166
Exons	2744..2989, 2751..2990		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o1.tc	Method	TBLASTX:Cress
Start	3503	End	3952
GI	none	Score	73
Exons	3503..3730, 3554..3952, 3705..3773		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o3.tw	Method	TBLASTX:Wheat
Start	3516	End	3886
GI	none	Score	124
Exons	3516..3773, 3554..3886, 3622..3774		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o3.ts	Method	TBLASTX:Soybean
Start	3554	End	4012
GI	none	Score	257
Exons	3554..4012		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o2.tm	Method	TBLASTX:Maize
Start	3561	End	4022
GI	none	Score	209
Exons	3561..3680, 3563..3940, 3564..3959, 3917..4018, 3918..4022		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27

Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o8.tm	Method	TBLASTX:Maize
Start	4028	End	4306
GI	none	Score	50
Exons	4028..4123, 4049..4144, 4136..4303, 4136..4306		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o3.tc	Method	TBLASTX:Cress
Start	4112	End	4393
GI	none	Score	188
Exons	4112..4198, 4202..4393		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o4.tw	Method	TBLASTX:Wheat
Start	4208	End	4657
GI	none	Score	73
Exons	4208..4327, 4218..4322, 4355..4393, 4390..4434, 4472..4657, 4475..4594		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o6.tm	Method	TBLASTX:Maize
Start	4316	End	4633
GI	none	Score	118
Exons	4316..4393, 4439..4633, 4461..4631		

Seq. No.	13635	Seq. ID	OJ991121_39.0229.C27
Gene No.	28989	Strand	-
Start	1487	End	6099
Name	OJ991121_39.0229.C27.o7.tm	Method	TBLASTX:Maize
Start	5420	End	5725
GI	none	Score	125
Exons	5420..5722, 5423..5725		

Seq. No.	13636	Seq. ID	OJ991121_39.0229.C28
Gene No.	28990	Strand	+
Start	121	End	1617
Name	OJ991121_39.0229.C28.o1.np	Method	AAT/NAP
Start	121	End	1617
GI	6539570	Score	201
Exons	121..326, 476..530, 1544..1617		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	13636	Seq. ID	OJ991121_39.0229.C28
Gene No.	28991	Strand	-
Start	94	End	3038
Name	OJ991121_39.0229.C28.o1.gs	Method	GENSCAN
Start	94	End	3038
GI	none	Score	.63
Exons	94..411, 1560..1709, 1739..1899, 2957..3038		

Seq. No.	13637	Seq. ID	OJ991121_39.0229.C29
Gene No.	28992	Strand	-
Start	1	End	3260
Name	OJ991121_39.0229.C29.o1.np	Method	AAT/NAP
Start	1	End	1340
GI	5734709	Score	210
Exons	1..400, 496..620, 1244..1340		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	13637	Seq. ID	OJ991121_39.0229.C29
Gene No.	28992	Strand	-
Start	1	End	3260
Name	OJ991121_39.0229.C29.o1.gs	Method	GENSCAN
Start	310	End	3260
GI	none	Score	.73
Exons	310..521, 871..909, 1419..1614, 3077..3202, 3207..3260		

Seq. No.	13638	Seq. ID	OJ991121_39.0229.C30
Gene No.	28993	Strand	+
Start	99	End	4677
Name	OJ991121_39.0229.C30.o1.gs	Method	GENSCAN
Start	99	End	4605
GI	none	Score	.71
Exons	99..399, 464..501, 581..607, 724..867, 997..1330, 1416..1648, 2481..2664, 4539..4605		

Seq. No.	13638	Seq. ID	OJ991121_39.0229.C30
Gene No.	28993	Strand	+
Start	99	End	4677
Name	OJ991121_39.0229.C30.o1.gp	Method	AAT/GAP
Start	470	End	1048
GI	none	Score	624
Exons	470..607, 724..867, 997..1048		

Seq. No.	13638	Seq. ID	OJ991121_39.0229.C30
Gene No.	28993	Strand	+
Start	99	End	4677
Name	OJ991121_39.0229.C30.o1.np	Method	AAT/NAP
Start	557	End	4677
GI	6642641	Score	223
Exons	557..610, 724..873, 997..1212, 1252..1288, 2760..2873, 2975..3057, 4518..4677		
GI Descrip.	(AC012395) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	13638	Seq. ID	OJ991121_39.0229.C30
Gene No.	28993	Strand	+
Start	99	End	4677
Name	OJ991121_39.0229.C30.o1.tm	Method	TBLASTX:Maize
Start	1015	End	4614
GI	none	Score	211
Exons	1015..1212, 1015..1209, 1119..1217, 1282..1326, 1523..1648, 1524..1697, 2481..2501, 2587..2670, 2622..2663, 2746..2871, 2747..2872, 2955..3032, 2965..3033, 2966..3034, 4520..4606, 4531..4614, 4536..4607		

Seq. No.	13638	Seq. ID	OJ991121_39.0229.C30

Gene No.	28993	Strand	+
Start	99	End	4677
Name	OJ991121_39.0229.C30.o2.gp	Method	AAT/GAP
Start	2542	End	4607
GI	16778_1.R1084	Score	647
Exons	2542..2664, 2751..2872, 2968..3033, 4539..4607		
GI Descrip.	'4263721/gb|AAD15407| 5.0e-17 (AC006223) putative DNA repair protein RAD50 [Arabidopsis thaliana]'		

Seq. No.	13639	Seq. ID	OJ991121_39.0229.C31
Gene No.	28994	Strand	+
Start	83	End	428
Name	OJ991121_39.0229.C31.o1.gp	Method	AAT/GAP
Start	83	End	428
GI	3769185	Score	623
Exons	83..428		

Seq. No.	13639	Seq. ID	OJ991121_39.0229.C31
Gene No.	28995	Strand	+
Start	1222	End	14491
Name	OJ991121_39.0229.C31.o1.gs	Method	GENSCAN
Start	1222	End	14469
GI	none	Score	.53
Exons	1222..1284, 1963..2230, 2232..2314, 2619..2697, 3090..3335, 3439..3525, 3793..4073, 4393..4476, 5224..5399, 5581..5695, 6567..6765, 6883..7061, 7180..7350, 7707..7811, 7908..8015, 8278..8430, 10048..10093, 10132..10870, 13045..13174, 13274..13483, 14261..14469		

Seq. No.	13639	Seq. ID	OJ991121_39.0229.C31
Gene No.	28995	Strand	+
Start	1222	End	14491
Name	OJ991121_39.0229.C31.o1.np	Method	AAT/NAP
Start	3213	End	14491
GI	4263721	Score	2095
Exons	3213..3335, 3439..3525, 3906..4073, 5224..5399, 5581..5695, 6567..6794, 6883..7061, 7180..7350, 7707..7811, 7908..8015, 8278..8439, 8609..8698, 9173..9305, 12844..12958, 13045..13174, 13274..13487, 14265..14491		
GI Descrip.	(AC006223) putative RAD50 DNA repair protein [Arabidopsis thaliana]		

Seq. No.	13639	Seq. ID	OJ991121_39.0229.C31
Gene No.	28995	Strand	+
Start	1222	End	14491
Name	OJ991121_39.0229.C31.o2.gp	Method	AAT/GAP
Start	6557	End	6922
GI	2310054	Score	473
Exons	6557..6794, 6883..6922		
GI Descrip.	4263721/gb|AAD15407| 5.0e-17 (AC006223) putative DNA repair protein RAD50 [Arabidopsis thaliana]		

Seq. No.	13640	Seq. ID	OJ991121_39.0229.C32
Gene No.	28996	Strand	+
Start	1	End	2613
Name	OJ991121_39.0229.C32.o1.np	Method	AAT/NAP
Start	1	End	2613

GI	4263721	Score	477
Exons	1..42, 671..854, 917..1240, 1450..1575, 1655..1715, 2502..2613		
GI Descrip.	(AC006223) putative RAD50 DNA repair protein [Arabidopsis thaliana]		

Seq. No.	13640	Seq. ID	OJ991121_39.0229.C32
Gene No.	28996	Strand	+
Start	1	End	2613
Name	OJ991121_39.0229.C32.o1.gs	Method	GENSCAN
Start	640	End	1662
GI	none	Score	.66
Exons	640..842, 917..1027, 1102..1240, 1450..1662		

Seq. No.	13640	Seq. ID	OJ991121_39.0229.C32
Gene No.	28996	Strand	+
Start	1	End	2613
Name	OJ991121_39.0229.C32.o1.tm	Method	TBLASTX:Maize
Start	702	End	1050
GI	none	Score	173
Exons	702..845, 703..846, 715..846, 916..1050, 918..992, 926..1045		

Seq. No.	13640	Seq. ID	OJ991121_39.0229.C32
Gene No.	28996	Strand	+
Start	1	End	2613
Name	OJ991121_39.0229.C32.o1.gp	Method	AAT/GAP
Start	710	End	1553
GI	48969_1.R1084	Score	1019
Exons	710..842, 917..1240, 1450..1553		
GI Descrip.	'4263721/gb|AAD15407| 1.0e-43 (AC006223) putative DNA repair protein RAD50 [Arabidopsis thaliana]'		

Seq. No.	13641	Seq. ID	OJ991121_39.0229.C33
Gene No.	28997	Strand	+
Start	1068	End	1470
Name	OJ991121_39.0229.C33.o1.gs	Method	GENSCAN
Start	1068	End	1359
GI	none	Score	.48
Exons	1068..1218, 1297..1359		

Seq. No.	13641	Seq. ID	OJ991121_39.0229.C33
Gene No.	28997	Strand	+
Start	1068	End	1470
Name	OJ991121_39.0229.C33.o1.np	Method	AAT/NAP
Start	1068	End	1470
GI	4263721	Score	262
Exons	1068..1218, 1297..1470		
GI Descrip.	(AC006223) putative RAD50 DNA repair protein [Arabidopsis thaliana]		

Seq. No.	13642	Seq. ID	OJ991121_39.0229.C36
Gene No.	28998	Strand	+
Start	1104	End	1173
Name	OJ991121_39.0229.C36.o1.gp	Method	AAT/GAP
Start	1104	End	1173
GI	uC-osf1M202097d10b1	Score	83
Exons	1104..1173		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for		

dihydroflavonol 4-reductase, complete cds'

Seq. No.	13643	Seq. ID	OJ991121_39.0229.C37
Gene No.	28999	Strand	-
Start	722	End	885
Name	OJ991121_39.0229.C37.o1.gs	Method	GENSCAN
Start	722	End	885
GI	none	Score	.85
Exons	722..885		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29000	Strand	+
Start	385	End	3692
Name	OJ991121_39.0229.C38.o1.gs	Method	GENSCAN
Start	385	End	3692
GI	none	Score	.78
Exons	385..663, 1594..1680, 1784..1927, 2234..2455, 3183..3692		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29001	Strand	+
Start	4607	End	8395
Name	OJ991121_39.0229.C38.o2.gs	Method	GENSCAN
Start	4607	End	8395
GI	none	Score	.75
Exons	4607..4879, 5641..6483, 6847..6988, 7007..7128, 7180..7343, 7410..7484, 7615..7861, 8387..8395		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29001	Strand	+
Start	4607	End	8395
Name	OJ991121_39.0229.C38.o2.gp	Method	AAT/GAP
Start	7095	End	7534
GI	LIB3431-011-P1-K1-B2	Score	848
Exons	7095..7534		
GI Descrip.	'1621477/dbj|BAA12894| 2.0e-36 (D85868) reverse transcriptase [Oryza sativa]'		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29002	Strand	-
Start	3020	End	3110
Name	OJ991121_39.0229.C38.o1.gp	Method	AAT/GAP
Start	3020	End	3110
GI	LIB3431-011-P1-N1-B2	Score	148
Exons	3020..3110		
GI Descrip.	'3377848 3.0e-15 (AF076274) contains similarity to reverse transcriptases (Pfam: rvt.hmm, score: 12.22) [Arabidopsis thaliana]'		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o4.ts	Method	TBLASTX:Soybean
Start	484	End	2087
GI	none	Score	108
Exons	484..585, 1591..1674, 1787..1927, 1798..1932, 2007..2087, 2009..2068		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o6.tm	Method	TBLASTX:Maize
Start	486	End	2485
GI	none	Score	121
Exons	486..557, 487..594, 1591..1662, 1779..1928, 1782..1937, 1787..1930, 1798..1944, 1816..1938, 2019..2090, 2021..2068, 2213..2365, 2231..2368, 2360..2485, 2389..2484, 2414..2485		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o4.tc	Method	TBLASTX:Cress
Start	487	End	2485
GI	none	Score	93
Exons	487..579, 1591..1683, 1780..1923, 1787..1927, 2019..2087, 2021..2065, 2231..2332, 2384..2485		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o5.tm	Method	TBLASTX:Maize
Start	4838	End	5082
GI	none	Score	57
Exons	4838..4888, 4853..4888, 4878..5081, 4882..5082		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o1.tm	Method	TBLASTX:Maize
Start	5200	End	5638
GI	none	Score	435
Exons	5200..5553, 5208..5552, 5329..5553, 5552..5638, 5553..5612, 5557..5637		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o3.ts	Method	TBLASTX:Soybean
Start	5428	End	5880
GI	none	Score	43
Exons	5428..5457, 5487..5573, 5488..5574, 5584..5769, 5587..5703, 5772..5879, 5773..5880		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o2.tw	Method	TBLASTX:Wheat
Start	5497	End	6144
GI	none	Score	178
Exons	5497..5778, 5773..5922, 5938..6027, 6022..6144		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o4.tm	Method	TBLASTX:Maize

Start	5644	End	6210
GI	none	Score	99
Exons	5644..5778, 5667..5759, 5772..5909, 5773..6210		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o2.tc	Method	TBLASTX:Cress
Start	5773	End	6159
GI	none	Score	168
Exons	5773..5964, 5986..6159		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o5.ts	Method	TBLASTX:Soybean
Start	6025	End	6180
GI	none	Score	183
Exons	6025..6180, 6033..6104		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o2.ts	Method	TBLASTX:Soybean
Start	6858	End	7338
GI	5509260	Score	397
Exons	6858..7136, 6859..7338, 7182..7247, 7281..7334		
GI Descrip.	-		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o1.tc	Method	TBLASTX:Cress
Start	6966	End	7242
GI	none	Score	294
Exons	6966..7241, 6967..7242		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o1.tw	Method	TBLASTX:Wheat
Start	7023	End	7509
GI	none	Score	286
Exons	7023..7115, 7024..7368, 7182..7322, 7360..7509, 7438..7476		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o3.tm	Method	TBLASTX:Maize
Start	7023	End	7455
GI	none	Score	343
Exons	7023..7115, 7024..7455, 7177..7341, 7182..7343		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o3.tc	Method	TBLASTX:Cress

Start	7384	End	7974
GI	none	Score	41
Exons	7384..7440, 7499..7591, 7592..7717, 7748..7969, 7756..7974		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o1.ts	Method	TBLASTX:Soybean
Start	7498	End	8002
GI	none	Score	499
Exons	7498..8001, 7499..8002		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o3.tw	Method	TBLASTX:Wheat
Start	7511	End	7924
GI	none	Score	154
Exons	7511..7735, 7591..7665, 7733..7924		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o2.tm	Method	TBLASTX:Maize
Start	7662	End	8068
GI	none	Score	133
Exons	7662..8012, 7664..8020, 7682..8068		

Seq. No.	13644	Seq. ID	OJ991121_39.0229.C38
Gene No.	29003	Strand	-
Start	7698	End	8088
Name	OJ991121_39.0229.C38.o3.gp	Method	AAT/GAP
Start	7698	End	8088
GI	LIB3431-011-P1-N1-B2	Score	770
Exons	7698..8088		
GI Descrip.	'3377848 3.0e-15 (AF076274) contains similarity to reverse transcriptases (Pfam: rvt.hmm, score: 12.22) [Arabidopsis thaliana]'		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29004	Strand	+
Start	111	End	1703
Name	OJ991121_39.0229.C39.o1.gs	Method	GENSCAN
Start	111	End	1703
GI	none	Score	.57
Exons	111..240, 402..539, 1539..1703		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29005	Strand	+
Start	16983	End	18456
Name	OJ991121_39.0229.C39.o1.gp	Method	AAT/GAP
Start	16983	End	18456
GI	none	Score	905
Exons	16983..17093, 17626..17700, 18149..18456		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29006	Strand	+

Start	28456	End	38699
Name	OJ991121_39.0229.C39.o3.np	Method	AAT/NAP
Start	28456	End	32224
GI	6587812	Score	704
Exons	28456..28616, 28715..28797, 29046..29134, 29309..29382, 29588..29638, 29730..29806, 31530..31626, 31655..31819, 32024..32224		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29006	Strand	+
Start	28456	End	38699
Name	OJ991121_39.0229.C39.o4.np	Method	AAT/NAP
Start	31552	End	33454
GI	5420387	Score	149
Exons	31552..32032, 32850..33076, 33395..33454		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29006	Strand	+
Start	28456	End	38699
Name	OJ991121_39.0229.C39.o5.np	Method	AAT/NAP
Start	33062	End	38699
GI	2980780	Score	134
Exons	33062..33336, 33638..33739, 35799..35959, 36190..36409, 37468..37613, 37842..37920, 38635..38699		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29006	Strand	+
Start	28456	End	38699
Name	OJ991121_39.0229.C39.o6.np	Method	AAT/NAP
Start	35903	End	38699
GI	2980780	Score	90
Exons	35903..35996, 37535..37613, 37842..37920, 38635..38699		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29007	Strand	-
Start	1	End	311
Name	OJ991121_39.0229.C39.o1.np	Method	AAT/NAP
Start	1	End	311
GI	6069646	Score	123
Exons	1..311		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29008	Strand	-
Start	2251	End	13098
Name	OJ991121_39.0229.C39.o2.gs	Method	GENSCAN
Start	2251	End	13098
GI	none	Score	.41

Exons	2251..2406, 2608..2697, 2830..2946, 3350..3469, 3637..4746, 4778..4917, 6054..6131, 6939..7097, 7160..7295, 8385..8428, 10226..10612, 13029..13098		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o5.tm	Method	TBLASTX:Maize
Start	63	End	381
GI	none	Score	124
Exons	63..380, 199..381		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o1.tm	Method	TBLASTX:Maize
Start	2605	End	4293
GI	none	Score	102
Exons	2605..2700, 2812..2964, 2834..2947, 3343..3450, 3347..3472, 3351..3458, 3637..3942, 3637..3957, 3638..3958, 3932..4003, 3940..4008, 4018..4164, 4023..4157, 4026..4175, 4027..4179, 4123..4239, 4228..4293, 4229..4291		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o2.np	Method	AAT/NAP
Start	13964	End	15348
GI	6911873	Score	484
Exons	13964..14453, 14568..14831, 15044..15348		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o3.gs	Method	GENSCAN
Start	13964	End	16224
GI	none	Score	.53
Exons	13964..14453, 14568..14752, 15040..15228, 15757..16224		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o3.ts	Method	TBLASTX:Soybean
Start	14123	End	14374
GI	none	Score	101
Exons	14123..14374, 14208..14348		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o1.tc	Method	TBLASTX:Cress
Start	14156	End	14428
GI	none	Score	115
Exons	14156..14428, 14157..14423		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39

Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o3.tm	Method	TBLASTX:Maize
Start	14165	End	15135
GI	none	Score	117
Exons	14165..14425, 14175..14411, 14567..14617, 14615..14779, 14615..14788, 14646..14834, 15085..15135		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o4.tc	Method	TBLASTX:Cress
Start	14561	End	14789
GI	none	Score	102
Exons	14561..14788, 14640..14789		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29009	Strand	-
Start	13964	End	16224
Name	OJ991121_39.0229.C39.o2.ts	Method	TBLASTX:Soybean
Start	14567	End	15181
GI	none	Score	95
Exons	14567..14788, 14652..14804, 15043..15180, 15062..15181		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29010	Strand	
Start	16331	End	17720
Name	OJ991121_39.0229.C39.o2.tm	Method	TBLASTX:Maize
Start	16331	End	17720
GI	none	Score	128
Exons	16331..16405, 16532..16651, 16533..16655, 16787..16894, 16790..16897, 16815..16907, 16979..17092, 16984..17094, 16986..17096, 17614..17700, 17622..17699, 17623..17703, 17628..17720		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29010	Strand	
Start	16331	End	17720
Name	OJ991121_39.0229.C39.o2.tc	Method	TBLASTX:Cress
Start	16334	End	17703
GI	none	Score	102
Exons	16334..16396, 16535..16654, 16536..16655, 16763..16825, 16790..16885, 16815..16907, 16983..17093, 16985..17089, 17623..17703, 17628..17699		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29010	Strand	
Start	16331	End	17720
Name	OJ991121_39.0229.C39.o1.ts	Method	TBLASTX:Soybean
Start	16337	End	17694
GI	none	Score	101
Exons	16337..16405, 16533..16655, 16533..16655, 16787..16894, 16788..16901, 16815..16907, 16979..17089, 16986..17093, 17623..17694		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29011	Strand	

Start	29042	End	29808
Name	OJ991121_39.0229.C39.o4.tm	Method	TBLASTX:Maize
Start	29042	End	29808
GI	none	Score	97
Exons	29042..29134, 29042..29134, 29308..29388, 29312..29383, 29316..29387, 29585..29638, 29586..29639, 29727..29804, 29727..29771, 29728..29808		

Seq. No.	13645	Seq. ID	OJ991121_39.0229.C39
Gene No.	29011	Strand	
Start	29042	End	29808
Name	OJ991121_39.0229.C39.o3.tc	Method	TBLASTX:Cress
Start	29309	End	29808
GI	none	Score	108
Exons	29309..29386, 29320..29394, 29583..29645, 29585..29641, 29727..29774, 29728..29808		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29012	Strand	+
Start	1	End	2676
Name	OJ991121_39.0229.C40.o1.np	Method	AAT/NAP
Start	1	End	2247
GI	3212868	Score	237
Exons	1..52, 535..711, 860..941, 2183..2247		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29012	Strand	+
Start	1	End	2676
Name	OJ991121_39.0229.C40.o1.gs	Method	GENSCAN
Start	535	End	2676
GI	none	Score	.6
Exons	535..706, 855..935, 2174..2243, 2650..2676		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29013	Strand	+
Start	23803	End	28097
Name	OJ991121_39.0229.C40.o5.gs	Method	GENSCAN
Start	23803	End	28097
GI	none	Score	.56
Exons	23803..23814, 24080..24328, 24368..24443, 26831..26922, 27160..27468, 27759..28097		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29013	Strand	+
Start	23803	End	28097
Name	OJ991121_39.0229.C40.o1.gp	Method	AAT/GAP
Start	27050	End	27511
GI	LIB3431-022-P1-N1-F9	Score	727
Exons	27050..27297, 27338..27511		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-174 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29014	Strand	+
Start	29142	End	36289
Name	OJ991121_39.0229.C40.o4.np	Method	AAT/NAP

Start	29142	End	36289
GI	4522005	Score	1505
Exons	29142..29195, 31162..33685, 33740..34701, 34730..35215, 36226..36289		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29014	Strand	+
Start	29142	End	36289
Name	OJ991121_39.0229.C40.o7.gs	Method	GENSCAN
Start	30872	End	32876
GI	none	Score	.78
Exons	30872..31085, 31285..31497, 31846..32876		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29014	Strand	+
Start	29142	End	36289
Name	OJ991121_39.0229.C40.o3.np	Method	AAT/NAP
Start	31179	End	35289
GI	2583130	Score	1735
Exons	31179..34737, 34781..35289		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29014	Strand	+
Start	29142	End	36289
Name	OJ991121_39.0229.C40.o8.gs	Method	GENSCAN
Start	34288	End	35307
GI	none	Score	.93
Exons	34288..35307		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29015	Strand	-
Start	3874	End	8701
Name	OJ991121_39.0229.C40.o2.gs	Method	GENSCAN
Start	3874	End	8689
GI	none	Score	.73
Exons	3874..4254, 4806..5197, 5417..5575, 6385..6753, 6837..7022, 7151..7287, 7648..7719, 7841..7984, 8144..8215, 8370..8502, 8599..8689		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29015	Strand	-
Start	3874	End	8701
Name	OJ991121_39.0229.C40.o2.np	Method	AAT/NAP
Start	3877	End	8701
GI	3738339	Score	1459
Exons	3877..4254, 4806..5197, 6385..6704, 6836..7005, 7206..7287, 7472..7531, 7648..7719, 7841..7984, 8144..8266, 8599..8701		
GI Descrip.	(AC005170) putative LRR receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29016	Strand	-
Start	10449	End	17121

Name	OJ991121_39.0229.C40.o3.gs	Method	GENSCAN
Start	10449	End	17121
GI	none	Score	.46
Exons	10449..10480, 11434..11576, 11689..11819, 11854..11997, 12036..12180, 13647..13693, 16395..16678, 16812..17121		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29017	Strand	-
Start	19169	End	23420
Name	OJ991121_39.0229.C40.o4.gs	Method	GENSCAN
Start	19169	End	23420
GI	none	Score	.5
Exons	19169..19402, 19627..19920, 20782..20875, 22390..22493, 22942..23018, 23228..23304, 23407..23420		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29018	Strand	-
Start	27537	End	28087
Name	OJ991121_39.0229.C40.o3.gp	Method	AAT/GAP
Start	27537	End	28087
GI	9531_1.R1084	Score	1011
Exons	27537..28087		
GI Descrip.	'5295954/dbj|BAA81855.1| 7.0e-37 (AB026295) hypothetical protein [Oryza sativa]'		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29019	Strand	-
Start	29012	End	29779
Name	OJ991121_39.0229.C40.o6.gs	Method	GENSCAN
Start	29012	End	29779
GI	none	Score	.43
Exons	29012..29779		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29020	Strand	-
Start	35440	End	38030
Name	OJ991121_39.0229.C40.o9.gs	Method	GENSCAN
Start	35440	End	38030
GI	none	Score	.67
Exons	35440..35550, 35635..35754, 36402..36445, 37358..38030		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o5.tm	Method	TBLASTX:Maize
Start	517	End	942
GI	none	Score	265
Exons	517..681, 519..707, 534..707, 855..935, 856..942		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o3.tc	Method	TBLASTX:Cress
Start	534	End	939
GI	none	Score	202
Exons	534..710, 534..707, 859..939		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o7.tw	Method	TBLASTX:Wheat
Start	588	End	2234
GI	none	Score	190
Exons	588..707, 593..706, 855..935, 856..942, 2184..2234		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o1.tm	Method	TBLASTX:Maize
Start	3892	End	4911
GI	none	Score	182
Exons	3892..4302, 4048..4194, 4122..4259, 4801..4911, 4803..4910		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o1.ts	Method	TBLASTX:Soybean
Start	4048	End	6703
GI	none	Score	184
Exons	4048..4251, 4803..4832, 4845..5201, 4855..4995, 4893..5090, 5098..5199, 6360..6443, 6383..6442, 6458..6538, 6459..6539, 6536..6703, 6537..6686		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o5.tw	Method	TBLASTX:Wheat
Start	4048	End	4254
GI	none	Score	120
Exons	4048..4254, 4063..4200		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o1.tc	Method	TBLASTX:Cress
Start	4051	End	5148
GI	none	Score	74
Exons	4051..4254, 4063..4200, 4803..4829, 4851..5147, 4852..4995, 4893..5078, 5095..5148		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o4.tw	Method	TBLASTX:Wheat
Start	4857	End	5186
GI	none	Score	297
Exons	4857..5186		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o2.tm	Method	TBLASTX:Maize
Start	4912	End	6703
GI	none	Score	130

Exons	4912..4995, 4914..5195, 5095..5193, 6386..6442, 6458..6556, 6459..6554, 6536..6703, 6537..6695		
Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o2.tc	Method	TBLASTX:Cress
Start	5151	End	6703
GI	none	Score	49
Exons	5151..5201, 6386..6442, 6393..6434, 6431..6538, 6459..6539, 6536..6703, 6537..6692		
Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o9.tw	Method	TBLASTX:Wheat
Start	6461	End	6763
GI	none	Score	102
Exons	6461..6763, 6501..6674		
Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o3.ts	Method	TBLASTX:Soybean
Start	7463	End	8503
GI	none	Score	52
Exons	7463..7531, 7474..7530, 7648..7719, 7650..7718, 7668..7715, 7828..7983, 7831..7980, 7841..7984, 7861..7980, 8125..8214, 8369..8503, 8370..8486		
Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o6.tm	Method	TBLASTX:Maize
Start	7472	End	8506
GI	none	Score	52
Exons	7472..7543, 7474..7530, 7647..7715, 7648..7710, 7685..7720, 7834..7983, 7841..7978, 8110..8211, 8144..8212, 8364..8468, 8369..8506, 8372..8506		
Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o6.tw	Method	TBLASTX:Wheat
Start	31284	End	31664
GI	none	Score	222
Exons	31284..31664		
Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o3.tm	Method	TBLASTX:Maize
Start	32724	End	33617
GI	none	Score	94
Exons	32724..32867, 32886..33194, 33216..33338, 33438..33617		
Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40

Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o2.tw	Method	TBLASTX:Wheat
Start	32769	End	33149
GI	none	Score	213
Exons	32769..32987, 32975..33148, 32982..33149		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o1.tw	Method	TBLASTX:Wheat
Start	33320	End	33740
GI	none	Score	404
Exons	33320..33676, 33321..33722, 33674..33733, 33675..33740		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o2.ts	Method	TBLASTX:Soybean
Start	33441	End	33860
GI	none	Score	123
Exons	33441..33644, 33527..33640, 33660..33860		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o7.tm	Method	TBLASTX:Maize
Start	33642	End	33887
GI	none	Score	206
Exons	33642..33887, 33713..33868		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o8.tw	Method	TBLASTX:Wheat
Start	33741	End	33926
GI	none	Score	189
Exons	33741..33893, 33743..33922, 33744..33926		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o3.tw	Method	TBLASTX:Wheat
Start	34280	End	39176
GI	none	Score	55
Exons	34280..34342, 34351..34698, 38970..39176		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-
Start	38890	End	41629
Name	OJ991121_39.0229.C40.o4.tm	Method	TBLASTX:Maize
Start	38711	End	39275
GI	none	Score	71
Exons	38711..38878, 38946..39275, 39085..39159		

Seq. No.	13646	Seq. ID	OJ991121_39.0229.C40
Gene No.	29021	Strand	-

Start	38890	End	41629
Name	OJ991121_39.0229.C40.o10.gs	Method	GENSCAN
Start	38890	End	41629
GI	none	Score	.48
Exons	38890..39201, 39324..39548, 40137..40378, 41471..41629		

Seq. No.	13647	Seq. ID	OJ991121_39.0229.C41
Gene No.	29022	Strand	+
Start	1	End	1925
Name	OJ991121_39.0229.C41.o1.np	Method	AAT/NAP
Start	1	End	1925
GI	5295955	Score	377
Exons	1..26, 352..476, 1157..1222, 1267..1393, 1425..1603, 1720..1925		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	13647	Seq. ID	OJ991121_39.0229.C41
Gene No.	29022	Strand	+
Start	1	End	1925
Name	OJ991121_39.0229.C41.o1.gs	Method	GENSCAN
Start	362	End	981
GI	none	Score	.78
Exons	362..485, 900..981		

Seq. No.	13647	Seq. ID	OJ991121_39.0229.C41
Gene No.	29023	Strand	-
Start	1213	End	1833
Name	OJ991121_39.0229.C41.o2.gs	Method	GENSCAN
Start	1213	End	1833
GI	none	Score	.94
Exons	1213..1464, 1545..1627, 1720..1833		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o1.gs	Method	GENSCAN
Start	800	End	6797
GI	none	Score	.5
Exons	800..2194, 2237..4724, 4940..5143, 5321..5380, 5455..5564, 6192..6797		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o1.np	Method	AAT/NAP
Start	803	End	4708
GI	6539553	Score	6559
Exons	803..4708		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o2.tw	Method	TBLASTX:Wheat

Start	939	End	1415
GI	none	Score	340
Exons	939..1325, 977..1324, 1018..1326, 1340..1414, 1344..1415		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o4.ts	Method	TBLASTX:Soybean
Start	1067	End	1408
GI	none	Score	90
Exons	1067..1276, 1088..1276, 1295..1408, 1302..1382		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o5.tm	Method	TBLASTX:Maize
Start	1271	End	1603
GI	none	Score	232
Exons	1271..1603, 1272..1595		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o2.ts	Method	TBLASTX:Soybean
Start	1416	End	1768
GI	none	Score	142
Exons	1416..1766, 1418..1765, 1547..1768		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o3.tw	Method	TBLASTX:Wheat
Start	1619	End	2164
GI	none	Score	50
Exons	1619..1825, 1629..1760, 1820..2164, 1844..2017		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o3.tm	Method	TBLASTX:Maize
Start	1700	End	2164
GI	none	Score	85
Exons	1700..2164, 1847..2029		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o1.ts	Method	TBLASTX:Soybean
Start	1835	End	2299
GI	5509260	Score	58
Exons	1835..2299, 1854..1913, 1986..2018, 2130..2198		
GI Descrip.	-		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o1.tc	Method	TBLASTX:Cress

Start	1946	End	2206
GI	none	Score	258
Exons	1946..2206		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o1.tw	Method	TBLASTX:Wheat
Start	2219	End	2974
GI	none	Score	214
Exons	2219..2458, 2220..2408, 2236..2466, 2239..2436, 2472..2966, 2516..2974, 2518..2967		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o3.ts	Method	TBLASTX:Soybean
Start	2624	End	3022
GI	none	Score	37
Exons	2624..2797, 2751..2789, 2798..3022, 2844..3014		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o4.tm	Method	TBLASTX:Maize
Start	2624	End	3118
GI	none	Score	69
Exons	2624..2791, 2810..3118, 2834..2989, 2844..3029		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o5.tw	Method	TBLASTX:Wheat
Start	2975	End	3169
GI	none	Score	187
Exons	2975..3169, 2975..3166		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o5.ts	Method	TBLASTX:Soybean
Start	3032	End	3418
GI	none	Score	84
Exons	3032..3280, 3263..3418		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o1.tm	Method	TBLASTX:Maize
Start	3445	End	3767
GI	none	Score	387
Exons	3445..3636, 3446..3760, 3447..3740, 3448..3759, 3513..3767		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o2.tm	Method	TBLASTX:Maize

Start	4266	End	4579
GI	none	Score	276
Exons	4266..4571, 4268..4579, 4271..4573		

Seq. No.	13648	Seq. ID	OJ991121_39.0229.C42
Gene No.	29024	Strand	-
Start	800	End	6797
Name	OJ991121_39.0229.C42.o4.tw	Method	TBLASTX:Wheat
Start	4328	End	4714
GI	none	Score	231
Exons	4328..4714, 4329..4703		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29025	Strand	+
Start	138	End	2407
Name	OJ991121_39.0229.C43.o1.np	Method	AAT/NAP
Start	138	End	956
GI	3551954	Score	775
Exons	138..956		
GI Descrip.	(AF082030) senescence-associated protein 5 [Hemerocallis hybrid cultivar]		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29025	Strand	+
Start	138	End	2407
Name	OJ991121_39.0229.C43.o1.gs	Method	GENSCAN
Start	141	End	2407
GI	none	Score	.56
Exons	141..949, 1908..2090, 2134..2407		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29026	Strand	-
Start	4128	End	4917
Name	OJ991121_39.0229.C43.o2.gs	Method	GENSCAN
Start	4128	End	4917
GI	none	Score	.73
Exons	4128..4265, 4372..4917		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o1.tc	Method	TBLASTX:Cress
Start	89	End	593
GI	none	Score	88
Exons	89..229, 132..308, 153..584, 155..583, 501..593		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o1.tw	Method	TBLASTX:Wheat
Start	120	End	454
GI	none	Score	357
Exons	120..308, 152..454, 153..452		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188

Name	OJ991121_39.0229.C43.o1.tm	Method	TBLASTX:Maize
Start	121	End	938
GI	none	Score	89
Exons	121..162, 122..235, 135..305, 792..839	152..700, 153..707, 726..938,	

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o1.ts	Method	TBLASTX:Soybean
Start	135	End	929
GI	none	Score	98
Exons	135..230, 156..245, 254..583, 726..929, 785..916	255..599, 599..664, 600..731,	

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o3.tc	Method	TBLASTX:Cress
Start	602	End	923
GI	none	Score	233
Exons	602..715, 603..923		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o2.tw	Method	TBLASTX:Wheat
Start	773	End	965
GI	none	Score	170
Exons	773..835, 774..926, 792..839,	893..925, 929..964, 933..965	

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o2.tc	Method	TBLASTX:Cress
Start	5464	End	7268
GI	none	Score	73
Exons	5464..5517, 5468..5515, 6967..7092, 6970..7092, 6971..7093, 6971..7093, 7177..7263, 7177..7245, 7179..7268		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o2.ts	Method	TBLASTX:Soybean
Start	5467	End	7277
GI	none	Score	69
Exons	5467..5517, 5468..5515, 6970..7092, 6971..7093, 7177..7263, 7179..7277		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o1.gp	Method	AAT/GAP
Start	5474	End	8188
GI	uC-osflM202123h09b1	Score	532
Exons	5474..5511, 6970..7093, 7177..7262, 8116..8188		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450		

[Arabidopsis thaliana]'

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o3.gs	Method	GENSCAN
Start	6741	End	8186
GI	none	Score	.8
Exons	6741..6758, 6970..7093, 7808..7874, 8116..8186		

Seq. No.	13649	Seq. ID	OJ991121_39.0229.C43
Gene No.	29027	Strand	-
Start	5474	End	8188
Name	OJ991121_39.0229.C43.o2.tm	Method	TBLASTX:Maize
Start	6967	End	7280
GI	none	Score	159
Exons	6967..7092, 6970..7092, 6971..7093, 6971..7093, 7177..7263, 7179..7280		

Seq. No.	13650	Seq. ID	OJ991121_39.0229.C44
Gene No.	29028	Strand	+
Start	403	End	1045
Name	OJ991121_39.0229.C44.o1.np	Method	AAT/NAP
Start	403	End	1045
GI	2498930	Score	702
Exons	403..477, 645..1045		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	13650	Seq. ID	OJ991121_39.0229.C44
Gene No.	29028	Strand	+
Start	403	End	1045
Name	OJ991121_39.0229.C44.o1.gs	Method	GENSCAN
Start	418	End	946
GI	none	Score	.75
Exons	418..477, 645..946		

Seq. No.	13651	Seq. ID	OJ991121_39.0229.C45
Gene No.	29029	Strand	+
Start	387	End	1082
Name	OJ991121_39.0229.C45.o1.gs	Method	GENSCAN
Start	387	End	1082
GI	none	Score	.88
Exons	387..468, 973..1082		

Seq. No.	13651	Seq. ID	OJ991121_39.0229.C45
Gene No.	29030	Strand	-
Start	200	End	383
Name	OJ991121_39.0229.C45.o1.np	Method	AAT/NAP
Start	200	End	383
GI	6063554	Score	120
Exons	200..383		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No. 13651 Seq. ID OJ991121_39.0229.C45

Gene No.	29031	Strand	-
Start	813	End	1048
Name	OJ991121_39.0229.C45.o1.gp	Method	AAT/GAP
Start	813	End	1048
GI	101153_1.R1084	Score	275
Exons	813..1048		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13652	Seq. ID	OJ991121_39.0229.C46
Gene No.	29032	Strand	+
Start	2	End	554
Name	OJ991121_39.0229.C46.o1.gs	Method	GENSCAN
Start	2	End	554
GI	none	Score	.7
Exons	2..104, 268..554		

Seq. No.	13652	Seq. ID	OJ991121_39.0229.C46
Gene No.	29033	Strand	-
Start	830	End	1387
Name	OJ991121_39.0229.C46.o2.gs	Method	GENSCAN
Start	830	End	1387
GI	none	Score	.47
Exons	830..843, 1201..1387		

Seq. No.	13653	Seq. ID	OJ991121_39.0229.C47
Gene No.	29034	Strand	+
Start	1	End	308
Name	OJ991121_39.0229.C47.o1.np	Method	AAT/NAP
Start	1	End	305
GI	3882018	Score	320
Exons	1..305		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		

Seq. No.	13653	Seq. ID	OJ991121_39.0229.C47
Gene No.	29034	Strand	+
Start	1	End	308
Name	OJ991121_39.0229.C47.o1.gs	Method	GENSCAN
Start	27	End	308
GI	none	Score	1
Exons	27..308		

Seq. No.	13653	Seq. ID	OJ991121_39.0229.C47
Gene No.	29035	Strand	-
Start	179	End	450
Name	OJ991121_39.0229.C47.o1.tc	Method	TBLASTX:Cress
Start	12	End	302
GI	none	Score	38
Exons	12..47, 51..302, 125..289		

Seq. No.	13653	Seq. ID	OJ991121_39.0229.C47
Gene No.	29035	Strand	-
Start	179	End	450
Name	OJ991121_39.0229.C47.o1.ts	Method	TBLASTX:Soybean
Start	51	End	302
GI	none	Score	232
Exons	51..302		

Seq. No.	13653	Seq. ID	OJ991121_39.0229.C47
Gene No.	29035	Strand	-
Start	179	End	450
Name	OJ991121_39.0229.C47.o1.gp	Method	AAT/GAP
Start	179	End	450
GI	uC-osroM202030e11a1	Score	528
Exons	179..450		
GI Descrip.	'4191780 3.0e-12 (AC005917) putative cytokinin oxidase [Arabidopsis thaliana]'		

Seq. No.	13654	Seq. ID	OJ991121_39.0229.C48
Gene No.	29036	Strand	+
Start	318	End	729
Name	OJ991121_39.0229.C48.o1.gs	Method	GENSCAN
Start	318	End	729
GI	none	Score	.55
Exons	318..447, 572..729		

Seq. No.	13654	Seq. ID	OJ991121_39.0229.C48
Gene No.	29037	Strand	-
Start	254	End	748
Name	OJ991121_39.0229.C48.o1.np	Method	AAT/NAP
Start	254	End	748
GI	6907103	Score	296
Exons	254..499, 690..748		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13655	Seq. ID	OJ991021_20.0223.C1
Gene No.	29038	Strand	+
Start	149	End	564
Name	OJ991021_20.0223.C1.o1.gs	Method	GENSCAN
Start	149	End	564
GI	none	Score	.69
Exons	149..293, 427..564		

Seq. No.	13656	Seq. ID	OJ991021_20.0223.C4
Gene No.	29039	Strand	+
Start	402	End	638
Name	OJ991021_20.0223.C4.o1.np	Method	AAT/NAP
Start	402	End	638
GI	6907088	Score	176
Exons	402..638		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13657	Seq. ID	OJ991021_20.0223.C5
Gene No.	29040	Strand	-
Start	1023	End	1388
Name	OJ991021_20.0223.C5.o1.gs	Method	GENSCAN
Start	1023	End	1388
GI	none	Score	.88
Exons	1023..1388		

Seq. No.	13658	Seq. ID	OJ991021_20.0223.C6
Gene No.	29041	Strand	+
Start	22	End	489
Name	OJ991021_20.0223.C6.o1.gs	Method	GENSCAN

Start	22	End	489
GI	none	Score	.62
Exons	22..101, 399..489		

Seq. No.	13658	Seq. ID	OJ991021_20.0223.C6
Gene No.	29042	Strand	-
Start	3313	End	5313
Name	OJ991021_20.0223.C6.o2.gs	Method	GENSCAN
Start	3313	End	5313
GI	none	Score	.76
Exons	3313..3432, 3481..3621, 3730..5313		

Seq. No.	13659	Seq. ID	OJ991021_20.0223.C7
Gene No.	29043	Strand	+
Start	45	End	1591
Name	OJ991021_20.0223.C7.o1.gs	Method	GENSCAN
Start	45	End	1591
GI	none	Score	.71
Exons	45..1515, 1524..1591		

Seq. No.	13660	Seq. ID	OJ991021_20.0223.C8
Gene No.	29044	Strand	+
Start	1641	End	1943
Name	OJ991021_20.0223.C8.o1.np	Method	AAT/NAP
Start	1641	End	1943
GI	6907088	Score	189
Exons	1641..1778, 1919..1943		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13660	Seq. ID	OJ991021_20.0223.C8
Gene No.	29045	Strand	-
Start	1054	End	1583
Name	OJ991021_20.0223.C8.o1.tm	Method	TBLASTX:Maize
Start	310	End	604
GI	none	Score	92
Exons	310..411, 406..603, 443..604		

Seq. No.	13660	Seq. ID	OJ991021_20.0223.C8
Gene No.	29045	Strand	-
Start	1054	End	1583
Name	OJ991021_20.0223.C8.o1.tw	Method	TBLASTX:Wheat
Start	589	End	805
GI	none	Score	68
Exons	589..792, 650..805		

Seq. No.	13660	Seq. ID	OJ991021_20.0223.C8
Gene No.	29045	Strand	-
Start	1054	End	1583
Name	OJ991021_20.0223.C8.o1.gs	Method	GENSCAN
Start	1054	End	1583
GI	none	Score	.87
Exons	1054..1127, 1568..1583		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29046	Strand	+
Start	155	End	530
Name	OJ991021_20.0223.C9.o1.gs	Method	GENSCAN

Start	155	End	530
GI	none	Score	.99
Exons	155..530		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29047	Strand	+
Start	9343	End	10979
Name	OJ991021_20.0223.C9.o3.gs	Method	GENSCAN
Start	9343	End	10558
GI	none	Score	.67
Exons	9343..9345, 10172..10558		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29047	Strand	+
Start	9343	End	10979
Name	OJ991021_20.0223.C9.o3.np	Method	AAT/NAP
Start	9879	End	10979
GI	6907086	Score	1119
Exons	9879..10635, 10693..10979		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29048	Strand	-
Start	1828	End	6404
Name	OJ991021_20.0223.C9.o1.np	Method	AAT/NAP
Start	1828	End	6404
GI	4680179	Score	4541
Exons	1828..5244, 5347..6404		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o5.tw	Method	TBLASTX:Wheat
Start	1872	End	2205
GI	none	Score	102
Exons	1872..2204, 1893..2042, 1924..2205		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o8.tm	Method	TBLASTX:Maize
Start	1887	End	2050
GI	none	Score	92
Exons	1887..2045, 1889..2050, 1890..2048		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	2055	End	2649
GI	none	Score	69
Exons	2055..2150, 2055..2492, 2065..2493, 2225..2497, 2490..2648, 2497..2643, 2500..2649		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-

Start	6895	End	7676
Name	OJ991021_20.0223.C9.o1.tw	Method	TBLASTX:Wheat
Start	2205	End	2831
GI	none	Score	325
Exons	2205..2831, 2206..2736		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o4.tm	Method	TBLASTX:Maize
Start	2772	End	3030
GI	none	Score	144
Exons	2772..3029, 2781..3029, 2800..3030, 2839..3030		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o2.ts	Method	TBLASTX:Soybean
Start	2790	End	3045
GI	none	Score	68
Exons	2790..2918, 2790..3038, 2800..3045		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o1.tc	Method	TBLASTX:Cress
Start	2814	End	3131
GI	none	Score	92
Exons	2814..2948, 2830..2949, 2964..3131, 3012..3110		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o3.tw	Method	TBLASTX:Wheat
Start	2838	End	3362
GI	none	Score	253
Exons	2838..3362, 2842..3210		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o2.tm	Method	TBLASTX:Maize
Start	3405	End	3758
GI	none	Score	219
Exons	3405..3758, 3457..3756		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o2.tw	Method	TBLASTX:Wheat
Start	3405	End	3831
GI	none	Score	111
Exons	3405..3830, 3407..3769, 3420..3773, 3442..3831		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676

Name	OJ991021_20.0223.C9.o3.ts	Method	TBLASTX:Soybean
Start	3579	End	3824
GI	none	Score	213
Exons	3579..3824		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o3.tm	Method	TBLASTX:Maize
Start	3795	End	4295
GI	none	Score	159
Exons	3795..4130, 4116..4295		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o6.tw	Method	TBLASTX:Wheat
Start	3837	End	4133
GI	none	Score	179
Exons	3837..4133, 3874..4116		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	3846	End	4241
GI	none	Score	94
Exons	3846..4205, 3874..3978, 3897..4205, 4036..4224, 4209..4241, 4209..4241		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o4.tw	Method	TBLASTX:Wheat
Start	4182	End	4665
GI	none	Score	234
Exons	4182..4664, 4210..4665		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o5.tm	Method	TBLASTX:Maize
Start	4365	End	4652
GI	none	Score	77
Exons	4365..4520, 4365..4652, 4366..4551		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o7.tw	Method	TBLASTX:Wheat
Start	4812	End	5211
GI	none	Score	78
Exons	4812..4976, 4861..4980, 4989..5210, 5056..5211		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676

Name	OJ991021_20.0223.C9.o7.tm	Method	TBLASTX:Maize
Start	4893	End	5217
GI	none	Score	63
Exons	4893..5210, 4893..5216, 5104..5217		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o6.tm	Method	TBLASTX:Maize
Start	5526	End	5927
GI	none	Score	235
Exons	5526..5927		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o8.tw	Method	TBLASTX:Wheat
Start	5808	End	6168
GI	none	Score	60
Exons	5808..6167, 6067..6168		

Seq. No.	13661	Seq. ID	OJ991021_20.0223.C9
Gene No.	29049	Strand	-
Start	6895	End	7676
Name	OJ991021_20.0223.C9.o2.np	Method	AAT/NAP
Start	6895	End	7676
GI	6002794	Score	1242
Exons	6895..7676		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	13662	Seq. ID	OJ991021_20.0223.C10
Gene No.	29050	Strand	+
Start	839	End	6538
Name	OJ991021_20.0223.C10.o1.gs	Method	GENSCAN
Start	839	End	6538
GI	none	Score	.51
Exons	839..1094, 3675..3939, 5219..5404, 5461..5605, 6341..6538		

Seq. No.	13662	Seq. ID	OJ991021_20.0223.C10
Gene No.	29051	Strand	+
Start	8174	End	13593
Name	OJ991021_20.0223.C10.o1.np	Method	AAT/NAP
Start	8174	End	13593
GI	4972079	Score	492
Exons	8174..8240, 9097..9638, 9916..11272, 13526..13593		
GI Descrip.	(AL078469) putative protein [Arabidopsis thaliana]		

Seq. No.	13662	Seq. ID	OJ991021_20.0223.C10
Gene No.	29051	Strand	+
Start	8174	End	13593
Name	OJ991021_20.0223.C10.o3.gs	Method	GENSCAN
Start	10726	End	12292
GI	none	Score	.5
Exons	10726..10816, 11327..11515, 11541..11670, 12184..12292		

Seq. No.	13662	Seq. ID	OJ991021_20.0223.C10
Gene No.	29052	Strand	-

Start	8280	End	10526
Name	OJ991021_20.0223.C10.o2.gs	Method	GENSCAN
Start	8280	End	10445
GI	none	Score	.69
Exons	8280..8351, 8720..8944, 8985..9237, 9426..9765, 9900..10010, 10229..10445		

Seq. No.	13662	Seq. ID	OJ991021_20.0223.C10
Gene No.	29052	Strand	-
Start	8280	End	10526
Name	OJ991021_20.0223.C10.o2.tm	Method	TBLASTX:Maize
Start	10200	End	10526
GI	none	Score	152
Exons	10200..10367, 10211..10366, 10431..10526		

Seq. No.	13662	Seq. ID	OJ991021_20.0223.C10
Gene No.	29053	Strand	
Start	10812	End	11219
Name	OJ991021_20.0223.C10.o1.tm	Method	TBLASTX:Maize
Start	10812	End	11219
GI	none	Score	101
Exons	10812..10919, 10816..10917, 10974..11219, 10976..11047, 11102..11215		

Seq. No.	13663	Seq. ID	OJ991021_20.0223.C12
Gene No.	29054	Strand	+
Start	1	End	270
Name	OJ991021_20.0223.C12.o1.gp	Method	AAT/GAP
Start	1	End	270
GI	LIB3434-032-P1-K1-F12	Score	155
Exons	1..39, 181..270		
GI Descrip.	'1323742 1.0e-19 (U32427) unknown [Triticum aestivum]'		

Seq. No.	13663	Seq. ID	OJ991021_20.0223.C12
Gene No.	29055	Strand	+
Start	185	End	252
Name	OJ991021_20.0223.C12.o1.gs	Method	GENSCAN
Start	185	End	252
GI	none	Score	.4
Exons	185..252		

Seq. No.	13664	Seq. ID	OJ991021_20.0223.C13
Gene No.	29056	Strand	-
Start	1	End	1293
Name	OJ991021_20.0223.C13.o1.np	Method	AAT/NAP
Start	1	End	1293
GI	186396	Score	204
Exons	1..718, 967..1293		
GI Descrip.	(M94131) mucin [Homo sapiens]		

Seq. No.	13664	Seq. ID	OJ991021_20.0223.C13
Gene No.	29056	Strand	-
Start	1	End	1293
Name	OJ991021_20.0223.C13.o1.gs	Method	GENSCAN
Start	189	End	1112
GI	none	Score	.49
Exons	189..786, 1002..1112		

Seq. No.	13665	Seq. ID	OJ991021_20.0223.C14
Gene No.	29057	Strand	-
Start	1	End	1520
Name	OJ991021_20.0223.C14.o1.np	Method	AAT/NAP
Start	1	End	1520
GI	4581164	Score	692
Exons	1..110, 296..471, 700..1520		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13665	Seq. ID	OJ991021_20.0223.C14
Gene No.	29057	Strand	-
Start	1	End	1520
Name	OJ991021_20.0223.C14.o1.tm	Method	TBLASTX:Maize
Start	52	End	915
GI	none	Score	89
Exons	52..612, 53..259, 277..378, 329..601, 593..820, 601..915		

Seq. No.	13665	Seq. ID	OJ991021_20.0223.C14
Gene No.	29057	Strand	-
Start	1	End	1520
Name	OJ991021_20.0223.C14.o1.tw	Method	TBLASTX:Wheat
Start	52	End	432
GI	none	Score	90
Exons	52..432, 53..265		

Seq. No.	13665	Seq. ID	OJ991021_20.0223.C14
Gene No.	29057	Strand	-
Start	1	End	1520
Name	OJ991021_20.0223.C14.o1.ts	Method	TBLASTX:Soybean
Start	280	End	894
GI	none	Score	97
Exons	280..600, 334..525, 392..613, 601..753, 601..894, 620..862		

Seq. No.	13665	Seq. ID	OJ991021_20.0223.C14
Gene No.	29057	Strand	-
Start	1	End	1520
Name	OJ991021_20.0223.C14.o2.tw	Method	TBLASTX:Wheat
Start	516	End	1165
GI	none	Score	47
Exons	516..569, 520..591, 744..797, 748..1134, 1076..1165		

Seq. No.	13665	Seq. ID	OJ991021_20.0223.C14
Gene No.	29057	Strand	-
Start	1	End	1520
Name	OJ991021_20.0223.C14.o2.tm	Method	TBLASTX:Maize
Start	922	End	1350
GI	none	Score	114
Exons	922..1137, 1177..1350		

Seq. No.	13665	Seq. ID	OJ991021_20.0223.C14
Gene No.	29057	Strand	-
Start	1	End	1520
Name	OJ991021_20.0223.C14.o1.gs	Method	GENSCAN
Start	1072	End	1362
GI	none	Score	.82

Exons	1072..1362		
Seq. No.	13666	Seq. ID	OJ991021_20.0223.C15
Gene No.	29058	Strand	+
Start	156	End	858
Name	OJ991021_20.0223.C15.o1.np	Method	AAT/NAP
Start	156	End	825
GI	6721507	Score	85
Exons	156..367, 628..825		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	13666	Seq. ID	OJ991021_20.0223.C15
Gene No.	29058	Strand	+
Start	156	End	858
Name	OJ991021_20.0223.C15.o1.gs	Method	GENSCAN
Start	238	End	858
GI	none	Score	.63
Exons	238..379, 628..858		
Seq. No.	13666	Seq. ID	OJ991021_20.0223.C15
Gene No.	29059	Strand	-
Start	2949	End	3029
Name	OJ991021_20.0223.C15.o2.gs	Method	GENSCAN
Start	2949	End	3029
GI	none	Score	.83
Exons	2949..3029		
Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29060	Strand	+
Start	5122	End	6366
Name	OJ991021_20.0223.C16.o2.gs	Method	GENSCAN
Start	5122	End	6366
GI	none	Score	.93
Exons	5122..5161, 6074..6366		
Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29061	Strand	+
Start	13346	End	15721
Name	OJ991021_20.0223.C16.o4.gs	Method	GENSCAN
Start	13346	End	15721
GI	none	Score	.61
Exons	13346..13460, 13512..13739, 13785..13975, 15223..15354, 15632..15721		
Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29062	Strand	-
Start	1	End	4257
Name	OJ991021_20.0223.C16.o1.np	Method	AAT/NAP
Start	1	End	4226
GI	4680179	Score	2444
Exons	1..2852, 3126..4226		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29062	Strand	-
Start	1	End	4257
Name	OJ991021_20.0223.C16.o1.gs	Method	GENSCAN

Start	151	End	4257
GI	none	Score	.54
Exons	151..204, 325..722, 942..1053, 1298..2063, 2193..2324, 2763..2939, 3132..3266, 3305..3437, 3465..3725, 3840..4123, 4248..4257		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o3.tm	Method	TBLASTX:Maize
Start	2	End	7287
GI	none	Score	108
Exons	2..130, 9..131, 7030..7287, 7031..7261		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o6.tw	Method	TBLASTX:Wheat
Start	32	End	414
GI	none	Score	56
Exons	32..178, 35..169, 187..234, 197..235, 246..413, 250..414		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o2.ts	Method	TBLASTX:Soybean
Start	261	End	635
GI	none	Score	128
Exons	261..443, 456..635		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o4.tm	Method	TBLASTX:Maize
Start	360	End	618
GI	none	Score	103
Exons	360..617, 365..598, 373..618		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o4.tw	Method	TBLASTX:Wheat
Start	420	End	756
GI	none	Score	182
Exons	420..749, 421..756		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o1.tm	Method	TBLASTX:Maize
Start	955	End	1298
GI	none	Score	55
Exons	955..1005, 957..1166, 960..1145, 1057..1161, 1144..1296, 1164..1298		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-

Start	6757	End	8402
Name	OJ991021_20.0223.C16.o1.tw	Method	TBLASTX:Wheat
Start	957	End	1307
GI	none	Score	55
Exons	957..1166, 958..996, 972..1157, 1057..1164, 1155..1307, 1156..1290		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o3.tw	Method	TBLASTX:Wheat
Start	1310	End	1677
GI	none	Score	96
Exons	1310..1489, 1348..1479, 1480..1677, 1481..1639		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o5.tm	Method	TBLASTX:Maize
Start	1351	End	1653
GI	none	Score	141
Exons	1351..1479, 1483..1653		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o1.ts	Method	TBLASTX:Soybean
Start	1384	End	1749
GI	none	Score	73
Exons	1384..1479, 1385..1501, 1481..1747, 1483..1749		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o2.tm	Method	TBLASTX:Maize
Start	1672	End	2155
GI	none	Score	110
Exons	1672..2091, 1706..2155		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o2.tw	Method	TBLASTX:Wheat
Start	1726	End	2208
GI	none	Score	249
Exons	1726..2088, 1730..2140, 1974..2096, 1976..2197, 2158..2208		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16
Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o2.np	Method	AAT/NAP
Start	6757	End	7286
GI	4539665	Score	366
Exons	6757..7286		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	13667	Seq. ID	OJ991021_20.0223.C16

Gene No.	29063	Strand	-
Start	6757	End	8402
Name	OJ991021_20.0223.C16.o5.tw	Method	TBLASTX:Wheat
Start	6791	End	8402
GI	none	Score	78
Exons	6791..6994, 7000..7212, 7022..7192, 8313..8402		

Seq. No.	13668	Seq. ID	OJ991021_20.0223.C17
Gene No.	29064	Strand	-
Start	197	End	549
Name	OJ991021_20.0223.C17.o1.gs	Method	GENSCAN
Start	197	End	549
GI	none	Score	.69
Exons	197..301, 361..549		

Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29065	Strand	+
Start	1	End	1751
Name	OJ991021_20.0223.C18.o1.np	Method	AAT/NAP
Start	1	End	1748
GI	6630685	Score	1684
Exons	1..1748		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29065	Strand	+
Start	1	End	1751
Name	OJ991021_20.0223.C18.o1.gs	Method	GENSCAN
Start	22	End	1751
GI	none	Score	.53
Exons	22..135, 423..1216, 1382..1751		

Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29066	Strand	+
Start	3024	End	3481
Name	OJ991021_20.0223.C18.o1.gp	Method	AAT/GAP
Start	3024	End	3481
GI	4968598	Score	811
Exons	3024..3481		

Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29067	Strand	+
Start	3667	End	5428
Name	OJ991021_20.0223.C18.o2.np	Method	AAT/NAP
Start	3667	End	5428
GI	6539588	Score	144
Exons	3667..3888, 5403..5428		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o1.ts	Method	TBLASTX:Soybean
Start	108	End	716
GI	5509260	Score	640
Exons	108..158, 171..410, 180..716, 197..415, 464..691, 517..693,		

	534..713		
GI Descrip.	-		
Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o1.tw	Method	TBLASTX:Wheat
Start	236	End	713
GI	none	Score	68
Exons	236..325, 237..326, 333..359, 505..708, 527..691, 534..713	360..707, 368..415, 448..486,	
Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o1.tc	Method	TBLASTX:Cress
Start	336	End	602
GI	none	Score	230
Exons	336..602		
Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o2.tm	Method	TBLASTX:Maize
Start	384	End	4133
GI	none	Score	496
Exons	384..821, 411..470, 433..558, 4038..4133	464..757, 537..821, 769..822,	
Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o3.tm	Method	TBLASTX:Maize
Start	890	End	1073
GI	none	Score	191
Exons	890..1027, 891..1073, 903..1073		
Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o2.tw	Method	TBLASTX:Wheat
Start	897	End	1328
GI	none	Score	107
Exons	897..1046, 1071..1328, 1079..1210		
Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o1.tm	Method	TBLASTX:Maize
Start	1074	End	1730
GI	none	Score	725
Exons	1074..1730, 1082..1729		
Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o2.ts	Method	TBLASTX:Soybean

Start	1092	End	1760
GI	none	Score	292
Exons	1092..1481, 1143..1226, 1280..1438, 1500..1760, 1538..1684		

Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o2.tc	Method	TBLASTX:Cress
Start	1365	End	1730
GI	none	Score	90
Exons	1365..1496, 1485..1730, 1485..1673		

Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o3.tw	Method	TBLASTX:Wheat
Start	1365	End	1685
GI	none	Score	97
Exons	1365..1490, 1494..1685, 1509..1685		

Seq. No.	13669	Seq. ID	OJ991021_20.0223.C18
Gene No.	29068	Strand	-
Start	2991	End	5483
Name	OJ991021_20.0223.C18.o2.gs	Method	GENSCAN
Start	2991	End	5483
GI	none	Score	.45
Exons	2991..3094, 3748..3773, 3956..4312, 4673..4785, 5196..5483		

Seq. No.	13670	Seq. ID	OJ991021_20.0223.C19
Gene No.	29069	Strand	+
Start	49	End	1394
Name	OJ991021_20.0223.C19.o1.gs	Method	GENSCAN
Start	49	End	1394
GI	none	Score	.44
Exons	49..179, 1259..1394		

Seq. No.	13670	Seq. ID	OJ991021_20.0223.C19
Gene No.	29070	Strand	-
Start	2661	End	2818
Name	OJ991021_20.0223.C19.o2.gs	Method	GENSCAN
Start	2661	End	2818
GI	none	Score	.89
Exons	2661..2818		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o1.np	Method	AAT/NAP
Start	2286	End	4800
GI	531389	Score	1651
Exons	2286..4800		
GI Descrip.	(U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800

Name	OJ991021_20.0223.C20.o4.tm	Method	TBLASTX:Maize
Start	2291	End	2662
GI	none	Score	46
Exons	2291..2350, 2318..2350, 2348..2650, 2354..2662		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o1.gs	Method	GENSCAN
Start	2312	End	4714
GI	none	Score	.43
Exons	2312..2997, 3109..4714		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o2.tc	Method	TBLASTX:Cress
Start	2318	End	2977
GI	none	Score	101
Exons	2318..2554, 2567..2683, 2693..2773, 2801..2977		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o4.tw	Method	TBLASTX:Wheat
Start	2318	End	2506
GI	none	Score	97
Exons	2318..2506, 2319..2495		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o1.ts	Method	TBLASTX:Soybean
Start	2351	End	2956
GI	none	Score	46
Exons	2351..2956, 2433..2531, 2589..2762, 2877..2951		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o1.tm	Method	TBLASTX:Maize
Start	2663	End	3121
GI	none	Score	107
Exons	2663..3121, 2664..2789, 2666..3070, 2877..3110		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o1.tw	Method	TBLASTX:Wheat
Start	2720	End	3151
GI	none	Score	46
Exons	2720..2980, 2721..2789, 2877..2972, 2975..3151, 2991..3143		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o2.tm	Method	TBLASTX:Maize

Start	3128	End	3533
GI	none	Score	362
Exons	3128..3532, 3129..3533		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o2.ts	Method	TBLASTX:Soybean
Start	3332	End	3829
GI	5509260	Score	91
Exons	3332..3829, 3351..3506		
GI Descrip.	-		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o3.tw	Method	TBLASTX:Wheat
Start	3356	End	3688
GI	none	Score	123
Exons	3356..3688, 3357..3506		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o3.tc	Method	TBLASTX:Cress
Start	3446	End	3698
GI	none	Score	88
Exons	3446..3697, 3537..3698		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o5.tm	Method	TBLASTX:Maize
Start	3533	End	3785
GI	none	Score	103
Exons	3533..3784, 3548..3781, 3567..3785		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o1.tc	Method	TBLASTX:Cress
Start	4367	End	4798
GI	none	Score	67
Exons	4367..4798, 4386..4580		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o2.tw	Method	TBLASTX:Wheat
Start	4370	End	4741
GI	none	Score	72
Exons	4370..4741, 4467..4595		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o3.ts	Method	TBLASTX:Soybean

Start	4403	End	4792
GI	none	Score	60
Exons	4403..4792, 4554..4706		

Seq. No.	13671	Seq. ID	OJ991021_20.0223.C20
Gene No.	29071	Strand	-
Start	2312	End	4800
Name	OJ991021_20.0223.C20.o3.tm	Method	TBLASTX:Maize
Start	4412	End	4789
GI	none	Score	218
Exons	4412..4789, 4413..4721, 4672..4764		

Seq. No.	13672	Seq. ID	OJ991021_20.0223.C22
Gene No.	29072	Strand	+
Start	484	End	1086
Name	OJ991021_20.0223.C22.o1.gs	Method	GENSCAN
Start	484	End	1086
GI	none	Score	.47
Exons	484..625, 1015..1086		

Seq. No.	13673	Seq. ID	OJ991021_20.0223.C23
Gene No.	29073	Strand	-
Start	600	End	1833
Name	OJ991021_20.0223.C23.o1.gs	Method	GENSCAN
Start	600	End	1833
GI	none	Score	.88
Exons	600..788, 1144..1622, 1668..1833		

Seq. No.	13673	Seq. ID	OJ991021_20.0223.C23
Gene No.	29074	Strand	-
Start	4434	End	5843
Name	OJ991021_20.0223.C23.o2.gs	Method	GENSCAN
Start	4434	End	5843
GI	none	Score	.93
Exons	4434..5843		

Seq. No.	13673	Seq. ID	OJ991021_20.0223.C23
Gene No.	29074	Strand	-
Start	4434	End	5843
Name	OJ991021_20.0223.C23.o1.np	Method	AAT/NAP
Start	4494	End	5606
GI	3548810	Score	399
Exons	4494..5313, 5341..5606		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	13673	Seq. ID	OJ991021_20.0223.C23
Gene No.	29075	Strand	-
Start	12826	End	13190
Name	OJ991021_20.0223.C23.o1.gp	Method	AAT/GAP
Start	12826	End	13190
GI	none	Score	572
Exons	12826..13190		

Seq. No.	13673	Seq. ID	OJ991021_20.0223.C23
Gene No.	29076	Strand	-
Start	15478	End	16344

Name	OJ991021_20.0223.C23.o1.ts	Method	TBLASTX:Soybean
Start	4518	End	5444
GI	none	Score	56
Exons	4518..4682, 4785..4922, 4926..5033, 5073..5186, 5241..5294, 5364..5444		

Seq. No.	13673	Seq. ID	OJ991021_20.0223.C23
Gene No.	29076	Strand	-
Start	15478	End	16344
Name	OJ991021_20.0223.C23.o1.tc	Method	TBLASTX:Cress
Start	4599	End	5444
GI	none	Score	51
Exons	4599..4751, 4806..4937, 4944..5009, 5061..5231, 5241..5294, 5364..5444		

Seq. No.	13673	Seq. ID	OJ991021_20.0223.C23
Gene No.	29076	Strand	-
Start	15478	End	16344
Name	OJ991021_20.0223.C23.o2.gp	Method	AAT/GAP
Start	15478	End	16344
GI	none	Score	741
Exons	15478..15850, 16317..16344		

Seq. No.	13674	Seq. ID	OJ991021_20.0223.C24
Gene No.	29077	Strand	-
Start	513	End	682
Name	OJ991021_20.0223.C24.o1.np	Method	AAT/NAP
Start	513	End	682
GI	6539588	Score	122
Exons	513..682		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	13675	Seq. ID	OJ991111_14.0204.C1
Gene No.	29078	Strand	-
Start	25	End	322
Name	OJ991111_14.0204.C1.o1.gs	Method	GENSCAN
Start	25	End	322
GI	none	Score	.71
Exons	25..322		

Seq. No.	13676	Seq. ID	OJ991111_14.0204.C2
Gene No.	29079	Strand	+
Start	1	End	258
Name	OJ991111_14.0204.C2.o1.np	Method	AAT/NAP
Start	1	End	258
GI	4581164	Score	302
Exons	1..258		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13676	Seq. ID	OJ991111_14.0204.C2
Gene No.	29079	Strand	+
Start	1	End	258
Name	OJ991111_14.0204.C2.o1.tm	Method	TBLASTX:Maize
Start	3	End	245
GI	none	Score	271
Exons	3..245, 3..185, 203..235		

Seq. No.	13676	Seq. ID	OJ991111_14.0204.C2
Gene No.	29079	Strand	+
Start	1	End	258
Name	OJ991111_14.0204.C2.o1.ts	Method	TBLASTX:Soybean
Start	9	End	216
GI	none	Score	191
Exons	9..212, 18..215, 82..216		

Seq. No.	13676	Seq. ID	OJ991111_14.0204.C2
Gene No.	29079	Strand	+
Start	1	End	258
Name	OJ991111_14.0204.C2.o1.tw	Method	TBLASTX:Wheat
Start	9	End	245
GI	none	Score	283
Exons	9..245, 14..169, 27..245		

Seq. No.	13676	Seq. ID	OJ991111_14.0204.C2
Gene No.	29079	Strand	+
Start	1	End	258
Name	OJ991111_14.0204.C2.o1.gs	Method	GENSCAN
Start	12	End	163
GI	none	Score	.65
Exons	12..163		

Seq. No.	13677	Seq. ID	OJ991111_14.0204.C3
Gene No.	29080	Strand	+
Start	229	End	799
Name	OJ991111_14.0204.C3.o1.np	Method	AAT/NAP
Start	229	End	799
GI	5091512	Score	728
Exons	229..799		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	13677	Seq. ID	OJ991111_14.0204.C3
Gene No.	29081	Strand	-
Start	26	End	750
Name	OJ991111_14.0204.C3.o1.gs	Method	GENSCAN
Start	26	End	750
GI	none	Score	.83
Exons	26..155, 172..750		

Seq. No.	13678	Seq. ID	OJ991111_14.0204.C4
Gene No.	29082	Strand	+
Start	3503	End	5621
Name	OJ991111_14.0204.C4.o2.tw	Method	TBLASTX:Wheat
Start	524	End	943
GI	none	Score	84
Exons	524..559, 683..868, 684..899, 890..943		

Seq. No.	13678	Seq. ID	OJ991111_14.0204.C4
Gene No.	29082	Strand	+
Start	3503	End	5621
Name	OJ991111_14.0204.C4.o1.tm	Method	TBLASTX:Maize
Start	600	End	880
GI	none	Score	132

Exons	600..875, 602..880		
Seq. No.	13678	Seq. ID	OJ991111_14.0204.C4
Gene No.	29082	Strand	+
Start	3503	End	5621
Name	OJ991111_14.0204.C4.o2.tm	Method	TBLASTX:Maize
Start	1321	End	1685
GI	none	Score	87
Exons	1321..1491, 1325..1483, 1512..1685, 1516..1683		
Seq. No.	13678	Seq. ID	OJ991111_14.0204.C4
Gene No.	29082	Strand	+
Start	3503	End	5621
Name	OJ991111_14.0204.C4.o1.tw	Method	TBLASTX:Wheat
Start	1369	End	1808
GI	none	Score	52
Exons	1369..1563, 1370..1462, 1512..1808, 1516..1638, 1672..1806		
Seq. No.	13678	Seq. ID	OJ991111_14.0204.C4
Gene No.	29082	Strand	+
Start	3503	End	5621
Name	OJ991111_14.0204.C4.o1.gp	Method	AAT/GAP
Start	3460	End	4457
GI	none	Score	867
Exons	3460..3668, 4196..4457		
Seq. No.	13678	Seq. ID	OJ991111_14.0204.C4
Gene No.	29082	Strand	+
Start	3503	End	5621
Name	OJ991111_14.0204.C4.o2.gs	Method	GENSCAN
Start	3503	End	5614
GI	none	Score	.44
Exons	3503..3604, 4273..4482, 5177..5614		
Seq. No.	13678	Seq. ID	OJ991111_14.0204.C4
Gene No.	29082	Strand	+
Start	3503	End	5621
Name	OJ991111_14.0204.C4.o3.np	Method	AAT/NAP
Start	3924	End	5621
GI	6453878	Score	143
Exons	3924..3943, 5219..5621		
GI Descrip.	(AC011717) putative aspartyl protease [Arabidopsis thaliana]		
Seq. No.	13678	Seq. ID	OJ991111_14.0204.C4
Gene No.	29082	Strand	+
Start	3503	End	5621
Name	OJ991111_14.0204.C4.o3.tm	Method	TBLASTX:Maize
Start	5234	End	5620
GI	none	Score	88
Exons	5234..5284, 5285..5386, 5423..5539, 5582..5620		
Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29083	Strand	+
Start	1	End	570
Name	OJ991111_14.0204.C5.o1.np	Method	AAT/NAP
Start	1	End	488
GI	2541876	Score	277

Exons	1..488		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		
Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29083	Strand	+
Start	1	End	570
Name	OJ991111_14.0204.C5.o1.gs	Method	GENSCAN
Start	19	End	570
GI	none	Score	.48
Exons	19..570		
Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29084	Strand	+
Start	1683	End	2016
Name	OJ991111_14.0204.C5.o2.gs	Method	GENSCAN
Start	1683	End	2016
GI	none	Score	.54
Exons	1683..1797, 1817..2016		
Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29085	Strand	-
Start	1281	End	2024
Name	OJ991111_14.0204.C5.o1.tm	Method	TBLASTX:Maize
Start	85	End	488
GI	none	Score	147
Exons	85..234, 102..236, 168..245, 244..390, 246..371, 402..488, 402..470		
Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29085	Strand	-
Start	1281	End	2024
Name	OJ991111_14.0204.C5.o1.ts	Method	TBLASTX:Soybean
Start	108	End	485
GI	none	Score	200
Exons	108..353, 109..354, 402..485		
Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29085	Strand	-
Start	1281	End	2024
Name	OJ991111_14.0204.C5.o1.tc	Method	TBLASTX:Cress
Start	112	End	485
GI	none	Score	173
Exons	112..354, 402..485		
Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29085	Strand	-
Start	1281	End	2024
Name	OJ991111_14.0204.C5.o2.np	Method	AAT/NAP
Start	1281	End	2024
GI	6907106	Score	370
Exons	1281..1449, 1487..2024		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29085	Strand	-

Start	1281	End	2024
Name	OJ991111_14.0204.C5.o2.tm	Method	TBLASTX:Maize
Start	1380	End	1697
GI	none	Score	57
Exons	1380..1424, 1380..1436, 1478..1510, 1490..1672, 1490..1687, 1554..1697, 1572..1697		

Seq. No.	13679	Seq. ID	OJ991111_14.0204.C5
Gene No.	29085	Strand	-
Start	1281	End	2024
Name	OJ991111_14.0204.C5.o1.gp	Method	AAT/GAP
Start	1540	End	1794
GI	none	Score	423
Exons	1540..1794		

Seq. No.	13680	Seq. ID	OJ991111_14.0204.C6
Gene No.	29086	Strand	-
Start	3084	End	3265
Name	OJ991111_14.0204.C6.o2.gs	Method	GENSCAN
Start	3084	End	3265
GI	none	Score	.99
Exons	3084..3265		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29087	Strand	+
Start	235	End	3976
Name	OJ991111_14.0204.C7.o1.gs	Method	GENSCAN
Start	235	End	3976
GI	none	Score	.65
Exons	235..284, 549..861, 1594..1945, 2298..2470, 2548..2884, 3558..3976		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29088	Strand	+
Start	9527	End	11380
Name	OJ991111_14.0204.C7.o3.gs	Method	GENSCAN
Start	9527	End	11380
GI	none	Score	.75
Exons	9527..9697, 10007..10111, 10934..11380		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29088	Strand	+
Start	9527	End	11380
Name	OJ991111_14.0204.C7.o2.np	Method	AAT/NAP
Start	9560	End	10988
GI	6907088	Score	1107
Exons	9560..9697, 9873..10111, 10605..10988		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o2.gs	Method	GENSCAN
Start	4046	End	8343
GI	none	Score	.89
Exons	4046..4763, 6145..6255, 6408..7309, 7717..8343		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o3.tw	Method	TBLASTX:Wheat
Start	4172	End	4379
GI	none	Score	97
Exons	4172..4375, 4206..4379		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o4.tm	Method	TBLASTX:Maize
Start	4218	End	4586
GI	none	Score	69
Exons	4218..4352, 4223..4519, 4238..4582, 4494..4586		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o2.ts	Method	TBLASTX:Soybean
Start	4241	End	6946
GI	none	Score	55
Exons	4241..4747, 4284..4415, 4494..4646, 6217..6318, 6695..6946		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o3.tm	Method	TBLASTX:Maize
Start	4637	End	7142
GI	none	Score	157
Exons	4637..4735, 6262..6405, 6746..7015, 6747..7016, 6784..7017, 6973..7029, 7015..7077, 7020..7052, 7064..7138, 7073..7141, 7074..7142		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o1.np	Method	AAT/NAP
Start	6661	End	10053
GI	6630685	Score	1791
Exons	6661..8428, 9823..10053		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o1.tm	Method	TBLASTX:Maize
Start	7184	End	7638
GI	none	Score	76
Exons	7184..7306, 7191..7307, 7192..7299, 7199..7348, 7333..7638, 7334..7636, 7522..7638		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o1.tw	Method	TBLASTX:Wheat

Start	7312	End	7767
GI	none	Score	86
Exons	7312..7482, 7333..7659, 7334..7651, 7516..7653, 7696..7767		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o1.ts	Method	TBLASTX:Soybean
Start	7333	End	7911
GI	5509260	Score	382
Exons	7333..7911, 7334..7819		
GI Descrip.	-		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o5.tm	Method	TBLASTX:Maize
Start	7639	End	7917
GI	none	Score	53
Exons	7639..7695, 7640..7696, 7643..7900, 7684..7902, 7696..7917		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o2.tm	Method	TBLASTX:Maize
Start	7918	End	8428
GI	none	Score	141
Exons	7918..8103, 8086..8406, 8098..8427, 8186..8428		

Seq. No.	13681	Seq. ID	OJ991111_14.0204.C7
Gene No.	29089	Strand	-
Start	4046	End	10053
Name	OJ991111_14.0204.C7.o2.tw	Method	TBLASTX:Wheat
Start	8023	End	8364
GI	none	Score	61
Exons	8023..8112, 8127..8270, 8134..8280, 8137..8271, 8287..8364, 8297..8362		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29090	Strand	+
Start	1758	End	5544
Name	OJ991111_14.0204.C8.o3.np	Method	AAT/NAP
Start	1758	End	5544
GI	6721516	Score	258
Exons	1758..1788, 3590..3681, 3708..3847, 4257..4462, 4501..4548, 5295..5544		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29091	Strand	-
Start	1	End	1356
Name	OJ991111_14.0204.C8.o1.np	Method	AAT/NAP
Start	1	End	1356
GI	3645899	Score	959
Exons	1..40, 297..1356		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29092	Strand	-
Start	4898	End	6972
Name	OJ991111_14.0204.C8.o1.tm	Method	TBLASTX:Maize
Start	299	End	803
GI	none	Score	163
Exons	299..802, 321..554, 615..803		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29092	Strand	-
Start	4898	End	6972
Name	OJ991111_14.0204.C8.o1.tw	Method	TBLASTX:Wheat
Start	371	End	942
GI	none	Score	100
Exons	371..547, 380..658, 381..551, 658..696, 662..685, 698..859, 714..860, 850..942		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29092	Strand	-
Start	4898	End	6972
Name	OJ991111_14.0204.C8.o3.tm	Method	TBLASTX:Maize
Start	806	End	1044
GI	none	Score	85
Exons	806..859, 833..985, 839..979, 853..981, 976..1044		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29092	Strand	-
Start	4898	End	6972
Name	OJ991111_14.0204.C8.o2.tw	Method	TBLASTX:Wheat
Start	1027	End	1332
GI	none	Score	61
Exons	1027..1332, 1097..1234, 1281..1319		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29092	Strand	-
Start	4898	End	6972
Name	OJ991111_14.0204.C8.o2.tm	Method	TBLASTX:Maize
Start	1057	End	1468
GI	none	Score	93
Exons	1057..1347, 1115..1243, 1271..1339, 1376..1438, 1376..1468		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29092	Strand	-
Start	4898	End	6972
Name	OJ991111_14.0204.C8.o4.gs	Method	GENSCAN
Start	4898	End	6972
GI	none	Score	.51
Exons	4898..5140, 6916..6972		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29092	Strand	-
Start	4898	End	6972
Name	OJ991111_14.0204.C8.o3.tw	Method	TBLASTX:Wheat
Start	4964	End	5116
GI	none	Score	173
Exons	4964..5116, 4999..5115		

Seq. No.	13682	Seq. ID	OJ991111_14.0204.C8
Gene No.	29092	Strand	-
Start	4898	End	6972
Name	OJ991111_14.0204.C8.o4.np	Method	AAT/NAP
Start	5038	End	5167
GI	6165778	Score	159
Exons	5038..5167		
GI Descrip.	(AF099420) R2R3MYB-domain protein [Zea mays]		

Seq. No.	13683	Seq. ID	OJ991111_14.0204.C9
Gene No.	29093	Strand	+
Start	1	End	5517
Name	OJ991111_14.0204.C9.o1.np	Method	AAT/NAP
Start	1	End	542
GI	6063557	Score	254
Exons	1..107, 356..542		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	13683	Seq. ID	OJ991111_14.0204.C9
Gene No.	29093	Strand	+
Start	1	End	5517
Name	OJ991111_14.0204.C9.o2.np	Method	AAT/NAP
Start	1	End	5517
GI	4584539	Score	100
Exons	1..50, 1745..1913, 2530..2914, 4315..4471, 5485..5517		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	13683	Seq. ID	OJ991111_14.0204.C9
Gene No.	29093	Strand	+
Start	1	End	5517
Name	OJ991111_14.0204.C9.o1.gs	Method	GENSCAN
Start	356	End	3046
GI	none	Score	.67
Exons	356..488, 2358..2563, 2590..3046		

Seq. No.	13683	Seq. ID	OJ991111_14.0204.C9
Gene No.	29094	Strand	-
Start	3695	End	4517
Name	OJ991111_14.0204.C9.o2.gs	Method	GENSCAN
Start	3695	End	4517
GI	none	Score	.4
Exons	3695..3788, 4468..4517		

Seq. No.	13683	Seq. ID	OJ991111_14.0204.C9
Gene No.	29094	Strand	-
Start	3695	End	4517
Name	OJ991111_14.0204.C9.o1.gp	Method	AAT/GAP
Start	4200	End	4287
GI	3760640	Score	86
Exons	4200..4287		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29095	Strand	+
Start	99	End	1482
Name	OJ991111_14.0204.C10.o1.gs	Method	GENSCAN

Start	99	End	1482
GI	none	Score	.49
Exons	99..218, 431..559, 575..775, 781..1482		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29095	Strand	+
Start	99	End	1482
Name	OJ991111_14.0204.C10.o1.np	Method	AAT/NAP
Start	439	End	1482
GI	2541876	Score	535
Exons	439..1482		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29096	Strand	+
Start	3988	End	9354
Name	OJ991111_14.0204.C10.o2.gs	Method	GENSCAN
Start	3988	End	5443
GI	none	Score	.68
Exons	3988..4223, 4369..4643, 4854..5443		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29096	Strand	+
Start	3988	End	9354
Name	OJ991111_14.0204.C10.o2.np	Method	AAT/NAP
Start	4487	End	9354
GI	2213632	Score	730
Exons	4487..5263, 9246..9354		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29097	Strand	+
Start	10945	End	13922
Name	OJ991111_14.0204.C10.o3.np	Method	AAT/NAP
Start	10945	End	13922
GI	5042463	Score	158
Exons	10945..11123, 11784..11939, 11991..12077, 13898..13922		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29097	Strand	+
Start	10945	End	13922
Name	OJ991111_14.0204.C10.o4.gs	Method	GENSCAN
Start	11097	End	13498
GI	none	Score	.73
Exons	11097..11123, 12121..12243, 12692..13498		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29098	Strand	+
Start	14621	End	16074
Name	OJ991111_14.0204.C10.o4.np	Method	AAT/NAP
Start	14621	End	16074
GI	6721512	Score	100
Exons	14621..14789, 15923..16074		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29099	Strand	+
Start	17927	End	20214
Name	OJ991111_14.0204.C10.o7.gs	Method	GENSCAN
Start	17927	End	20214
GI	none	Score	.91
Exons	17927..19164, 19182..20214		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29100	Strand	+
Start	21313	End	21559
Name	OJ991111_14.0204.C10.o1.gp	Method	AAT/GAP
Start	21313	End	21559
GI	3761181	Score	436
Exons	21313..21559		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29101	Strand	+
Start	24220	End	24574
Name	OJ991111_14.0204.C10.o9.gs	Method	GENSCAN
Start	24220	End	24574
GI	none	Score	.73
Exons	24220..24400, 24465..24574		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29102	Strand	-
Start	5816	End	10366
Name	OJ991111_14.0204.C10.o3.gs	Method	GENSCAN
Start	5816	End	10366
GI	none	Score	.61
Exons	5816..6467, 6647..6749, 6816..6924, 8182..8553, 9503..9653, 9658..9798, 9826..9995, 10084..10280, 10282..10366		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29103	Strand	-
Start	18197	End	23464
Name	OJ991111_14.0204.C10.o5.np	Method	AAT/NAP
Start	18197	End	23464
GI	5091512	Score	470
Exons	18197..18286, 19285..19400, 22241..22316, 23104..23464		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o1.ts	Method	TBLASTX:Soybean
Start	476	End	1479
GI	none	Score	76
Exons	476..550, 563..652, 689..817, 839..916, 996..1070, 1042..1128, 1042..1128, 1102..1344, 1125..1340, 1348..1479, 1353..1463		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814

Name	OJ991111_14.0204.C10.o2.tm	Method	TBLASTX:Maize
Start	1078	End	1482
GI	none	Score	155
Exons	1078..1227, 1095..1226, 1227..1442, 1228..1482		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o1.tc	Method	TBLASTX:Cress
Start	1105	End	1479
GI	none	Score	210
Exons	1105..1341, 1125..1340, 1348..1479, 1353..1448		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o3.tm	Method	TBLASTX:Maize
Start	4093	End	4711
GI	none	Score	99
Exons	4093..4224, 4342..4707, 4367..4711		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o1.tw	Method	TBLASTX:Wheat
Start	4597	End	5005
GI	none	Score	409
Exons	4597..4935, 4601..5005		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o1.tm	Method	TBLASTX:Maize
Start	4729	End	5206
GI	none	Score	410
Exons	4729..5100, 4730..5101, 5141..5206		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o2.tw	Method	TBLASTX:Wheat
Start	5008	End	5221
GI	none	Score	199
Exons	5008..5184, 5009..5221		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o4.tm	Method	TBLASTX:Maize
Start	18860	End	19117
GI	none	Score	238
Exons	18860..19117, 18875..18976, 18967..19089		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o2.gp	Method	AAT/GAP

Start	26048	End	26294
GI	3761181	Score	426
Exons	26048..26294		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13684	Seq. ID	OJ991111_14.0204.C10
Gene No.	29104	Strand	-
Start	26335	End	26814
Name	OJ991111_14.0204.C10.o10.gs	Method	GENSCAN
Start	26335	End	26814
GI	none	Score	.73
Exons	26335..26814		

Seq. No.	13685	Seq. ID	OJ991111_14.0204.C11
Gene No.	29105	Strand	+
Start	52	End	4930
Name	OJ991111_14.0204.C11.o1.gs	Method	GENSCAN
Start	52	End	4930
GI	none	Score	.63
Exons	52..116, 155..240, 714..1010, 2543..2639, 2792..2930, 3069..3153, 3598..4146, 4291..4400, 4622..4930		

Seq. No.	13685	Seq. ID	OJ991111_14.0204.C11
Gene No.	29106	Strand	+
Start	11568	End	11809
Name	OJ991111_14.0204.C11.o3.gs	Method	GENSCAN
Start	11568	End	11809
GI	none	Score	.97
Exons	11568..11641, 11692..11809		

Seq. No.	13685	Seq. ID	OJ991111_14.0204.C11
Gene No.	29107	Strand	-
Start	5597	End	10229
Name	OJ991111_14.0204.C11.o2.gs	Method	GENSCAN
Start	5597	End	10229
GI	none	Score	.55
Exons	5597..6130, 9819..9947, 9978..10229		

Seq. No.	13685	Seq. ID	OJ991111_14.0204.C11
Gene No.	29108	Strand	-
Start	12244	End	13539
Name	OJ991111_14.0204.C11.o1.tm	Method	TBLASTX:Maize
Start	1882	End	2121
GI	none	Score	88
Exons	1882..1995, 2020..2121, 2021..2119		

Seq. No.	13685	Seq. ID	OJ991111_14.0204.C11
Gene No.	29108	Strand	-
Start	12244	End	13539
Name	OJ991111_14.0204.C11.o4.gs	Method	GENSCAN
Start	12244	End	13539
GI	none	Score	.74
Exons	12244..12354, 12825..13539		

Seq. No.	13686	Seq. ID	OJ991111_14.0204.C12
Gene No.	29109	Strand	+

Start	1692	End	2590
Name	OJ991111_14.0204.C12.o1.np	Method	AAT/NAP
Start	1692	End	2590
GI	6498458	Score	108
Exons	1692..1938, 2222..2325, 2535..2590		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	13686	Seq. ID	OJ991111_14.0204.C12
Gene No.	29110	Strand	-
Start	54	End	479
Name	OJ991111_14.0204.C12.o1.gp	Method	AAT/GAP
Start	54	End	479
GI	94945_1.R1084	Score	589
Exons	54..479		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 1.0e-132 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	13686	Seq. ID	OJ991111_14.0204.C12
Gene No.	29111	Strand	-
Start	2047	End	2343
Name	OJ991111_14.0204.C12.o1.gs	Method	GENSCAN
Start	2047	End	2343
GI	none	Score	.7
Exons	2047..2343		

Seq. No.	13687	Seq. ID	OJ991111_14.0204.C13
Gene No.	29112	Strand	+
Start	1179	End	1904
Name	OJ991111_14.0204.C13.o1.gs	Method	GENSCAN
Start	1179	End	1904
GI	none	Score	.98
Exons	1179..1904		

Seq. No.	13687	Seq. ID	OJ991111_14.0204.C13
Gene No.	29113	Strand	+
Start	2714	End	5407
Name	OJ991111_14.0204.C13.o2.gs	Method	GENSCAN
Start	2714	End	5171
GI	none	Score	.89
Exons	2714..2828, 2938..3078, 3129..3220, 3703..3786, 3876..3914, 4279..4404, 5127..5171		

Seq. No.	13687	Seq. ID	OJ991111_14.0204.C13
Gene No.	29113	Strand	+
Start	2714	End	5407
Name	OJ991111_14.0204.C13.o1.tm	Method	TBLASTX:Maize
Start	3121	End	5377
GI	none	Score	124
Exons	3121..3216, 3128..3223, 3693..3785, 3701..3784, 3702..3785, 3718..3786, 3868..3915, 3873..3932, 3875..3916, 4262..4318, 4275..4328, 4277..4318, 4291..4398, 4343..4405, 4344..4370, 4351..4404, 4806..4880, 4816..4899, 4938..5030, 4941..5033, 4942..5034, 5128..5190, 5129..5179, 5146..5190, 5269..5373, 5294..5377		

Seq. No.	13687	Seq. ID	OJ991111_14.0204.C13
Gene No.	29113	Strand	+

Start	2714	End	5407
Name	OJ991111_14.0204.C13.o1.np	Method	AAT/NAP
Start	3140	End	5407
GI	1169371	Score	253
Exons	3140..3220, 3703..3786, 3876..3914, 4279..4404, 4914..5031, 5127..5191, 5294..5407		
GI Descrip.	DNAJ PROTEIN		

Seq. No.	13687	Seq. ID	OJ991111_14.0204.C13
Gene No.	29113	Strand	+
Start	2714	End	5407
Name	OJ991111_14.0204.C13.o1.gp	Method	AAT/GAP
Start	3708	End	5407
GI	73225_1.R1084	Score	910
Exons	3708..3786, 3876..3914, 4279..4404, 4816..4866, 4944..5031, 5127..5191, 5294..5407		
GI Descrip.	'118719/sp|P08622|DNAJ_ECOLI 2.0e-37 DNAJ PROTEIN >gi_72228_pir__HHECDJ heat shock protein dnaJ - Escherichia coli >gi_145769 (M12565) heat shock protein dnaJ [Escherichia coli] >gi_216441_dbj_BAA01292_ (D10483) DnaJ [Escherichia coli] >gi_1786197 (AE000112) chaperone with DnaK; heat shock protein [Escherichia coli]'		

Seq. No.	13688	Seq. ID	OJ991111_14.0204.C14
Gene No.	29114	Strand	+
Start	236	End	2148
Name	OJ991111_14.0204.C14.o1.np	Method	AAT/NAP
Start	236	End	1865
GI	4165510	Score	122
Exons	236..337, 585..656, 1169..1231, 1318..1360, 1595..1661, 1745..1865		
GI Descrip.	(AL034356) possible DNAJ protein. [Leishmania major]		

Seq. No.	13688	Seq. ID	OJ991111_14.0204.C14
Gene No.	29114	Strand	+
Start	236	End	2148
Name	OJ991111_14.0204.C14.o1.gs	Method	GENSCAN
Start	246	End	1844
GI	none	Score	.7
Exons	246..337, 585..656, 1169..1225, 1312..1360, 1461..1661, 1708..1844		

Seq. No.	13688	Seq. ID	OJ991111_14.0204.C14
Gene No.	29114	Strand	+
Start	236	End	2148
Name	OJ991111_14.0204.C14.o1.gp	Method	AAT/GAP
Start	281	End	2148
GI	23464_1.R1084	Score	1210
Exons	281..337, 585..656, 1169..1225, 1312..1360, 1595..1661, 1745..2148		
GI Descrip.	'4165510/emb|CAA22249.1| 7.0e-24 (AL034356) predicted using hexExon; L7610.8, DNAJ-like protein, len:232 aa; Similarity to prokaryotic DNAJ proteins and eukarytoic DNAJ-like chaperones. E.coli DNAJ (SW:DNAJ_ECOLI) BLAST score: 405 P: 5.3e-38, 37% identity in'		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15

Gene No.	29115	Strand	+
Start	72	End	1469
Name	OJ991111_14.0204.C15.o1.gs	Method	GENSCAN
Start	72	End	1469
GI	none	Score	.48
Exons	72..142, 686..891, 952..1469		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29115	Strand	+
Start	72	End	1469
Name	OJ991111_14.0204.C15.o1.np	Method	AAT/NAP
Start	748	End	1466
GI	5734618	Score	940
Exons	748..1466		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence; unknown protein (AC006234) [Oryza sativa]		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29116	Strand	+
Start	5175	End	5385
Name	OJ991111_14.0204.C15.o2.gp	Method	AAT/GAP
Start	5175	End	5385
GI	none	Score	403
Exons	5175..5385		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29117	Strand	-
Start	1676	End	4640
Name	OJ991111_14.0204.C15.o1.gp	Method	AAT/GAP
Start	1676	End	4403
GI	39388_1.R1084	Score	1264
Exons	1676..2087, 3870..3935, 4044..4142, 4264..4403		
GI Descrip.	'2440029/emb|CAA75116| 7.0e-45 (Y14851) DAL1 protein [Arabidopsis thaliana] >gi_2440031_emb_CAA75115_ (Y14850) DAL1 protein [Arabidopsis thaliana]'		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29117	Strand	-
Start	1676	End	4640
Name	OJ991111_14.0204.C15.o2.gs	Method	GENSCAN
Start	1945	End	4640
GI	none	Score	.66
Exons	1945..2087, 3870..3935, 4045..4189, 4275..4640		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29117	Strand	-
Start	1676	End	4640
Name	OJ991111_14.0204.C15.o2.np	Method	AAT/NAP
Start	1948	End	4569
GI	2246378	Score	670
Exons	1948..2087, 3870..3935, 4045..4142, 4264..4569		
GI Descrip.	(Z86094) plastid protein [Arabidopsis thaliana]		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334

Name	OJ991111_14.0204.C15.o2.tm	Method	TBLASTX:Maize
Start	950	End	1451
GI	none	Score	155
Exons	950..1108, 951..1106, 1125..1310, 1148..1249, 1307..1450, 1308..1451		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o1.tw	Method	TBLASTX:Wheat
Start	951	End	1202
GI	none	Score	137
Exons	951..1049, 951..1073, 1061..1201, 1062..1202		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o4.ts	Method	TBLASTX:Soybean
Start	959	End	1277
GI	none	Score	304
Exons	959..1249, 960..1277		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o1.tc	Method	TBLASTX:Cress
Start	1942	End	4413
GI	none	Score	167
Exons	1942..2094, 1946..2089, 1983..2096, 3871..3942, 3872..3937, 4040..4144, 4041..4154, 4264..4413, 4266..4412		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o1.tm	Method	TBLASTX:Maize
Start	1942	End	4518
GI	none	Score	207
Exons	1942..2094, 1946..2089, 3870..3935, 3871..3942, 3872..3937, 4040..4120, 4040..4144, 4044..4154, 4264..4413, 4264..4404, 4266..4412, 4440..4517, 4456..4518		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o2.tw	Method	TBLASTX:Wheat
Start	1943	End	4126
GI	none	Score	187
Exons	1943..2092, 1951..2094, 1952..2089, 3826..3930, 3857..3937, 3858..3938, 3858..3938, 3871..3942, 4032..4088, 4040..4126, 4046..4120		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o1.ts	Method	TBLASTX:Soybean
Start	3857	End	4526
GI	none	Score	94

Exons	3857..3937, 3868..3942, 3869..3937, 4040..4144, 4041..4154, 4264..4413, 4266..4412, 4437..4526, 4447..4503		
Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o3.gs	Method	GENSCAN
Start	5619	End	13334
GI	none	Score	.76
Exons	5619..5717, 6069..6170, 6537..6677, 7132..7176, 7971..8072, 8166..8299, 8391..8430, 8534..8763, 8919..9079, 9975..10075, 10332..10448, 10661..10765, 10989..11054, 12074..12164, 12864..13334		
Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o3.np	Method	AAT/NAP
Start	5619	End	13080
GI	2832632	Score	1477
Exons	5619..5717, 6069..6170, 6537..6677, 7132..7176, 7971..8096, 8148..8312, 8453..8763, 8919..9074, 9319..9383, 9795..9890, 9975..10075, 10161..10240, 10528..10768, 10989..11054, 11790..11843, 12074..12148, 12943..13080		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o3.ts	Method	TBLASTX:Soybean
Start	5625	End	8060
GI	none	Score	121
Exons	5625..5741, 6061..6168, 6061..6165, 6069..6176, 6357..6458, 6361..6456, 6362..6457, 6520..6675, 6529..6669, 6537..6695, 7965..8060		
Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o2.tc	Method	TBLASTX:Cress
Start	5640	End	6689
GI	none	Score	60
Exons	5640..5741, 5668..5721, 6058..6171, 6069..6176, 6330..6365, 6357..6458, 6376..6456, 6537..6644, 6550..6609, 6627..6689		
Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o3.tm	Method	TBLASTX:Maize
Start	6069	End	8779
GI	none	Score	98
Exons	6069..6176, 6076..6171, 6357..6458, 6359..6463, 6373..6468, 6376..6456, 6520..6681, 6529..6678, 6537..6689, 7105..7176, 7136..7177, 7965..8075, 7969..8073, 7971..8105, 8120..8302, 8127..8306, 8373..8441, 8398..8436, 8533..8619, 8534..8656, 8607..8675, 8609..8692, 8639..8779, 8694..8765		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o2.ts	Method	TBLASTX:Soybean
Start	8669	End	9360
GI	none	Score	138
Exons	8669..8779, 8911..9072, 8915..9076, 8918..9073, 9165..9239, 9166..9240, 9302..9358, 9319..9360		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o5.tm	Method	TBLASTX:Maize
Start	9025	End	9889
GI	none	Score	72
Exons	9025..9072, 9026..9073, 9165..9254, 9166..9228, 9321..9410, 9323..9382, 9794..9889, 9794..9889		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o4.tm	Method	TBLASTX:Maize
Start	10161	End	10729
GI	none	Score	55
Exons	10161..10202, 10162..10224, 10322..10438, 10330..10449, 10331..10450, 10515..10571, 10525..10572, 10526..10573, 10666..10716, 10667..10729		

Seq. No.	13689	Seq. ID	OJ991111_14.0204.C15
Gene No.	29118	Strand	-
Start	5619	End	13334
Name	OJ991111_14.0204.C15.o6.tm	Method	TBLASTX:Maize
Start	12934	End	13159
GI	none	Score	161
Exons	12934..13092, 12935..13093, 13070..13159		

Seq. No.	13690	Seq. ID	OJ991021_19.0202.C1
Gene No.	29119	Strand	-
Start	1	End	820
Name	OJ991021_19.0202.C1.o1.np	Method	AAT/NAP
Start	1	End	820
GI	4582488	Score	365
Exons	1..196, 292..467, 547..820		
GI Descrip.	(AL021768) putative protein [Arabidopsis thaliana]		

Seq. No.	13690	Seq. ID	OJ991021_19.0202.C1
Gene No.	29119	Strand	-
Start	1	End	820
Name	OJ991021_19.0202.C1.o1.tm	Method	TBLASTX:Maize
Start	112	End	641
GI	none	Score	115
Exons	112..195, 119..211, 120..236, 120..203, 284..478, 291..479, 291..479, 292..483, 529..639, 546..641, 547..639		

Seq. No.	13690	Seq. ID	OJ991021_19.0202.C1
Gene No.	29119	Strand	-
Start	1	End	820

Name	OJ991021_19.0202.C1.o1.ts	Method	TBLASTX:Soybean
Start	145	End	479
GI	none	Score	53
Exons	145..195, 146..196, 294..479, 295..468		

Seq. No.	13690	Seq. ID	OJ991021_19.0202.C1
Gene No.	29119	Strand	-
Start	1	End	820
Name	OJ991021_19.0202.C1.o1.gs	Method	GENSCAN
Start	292	End	681
GI	none	Score	.73
Exons	292..467, 547..681		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29120	Strand	+
Start	4268	End	6368
Name	OJ991021_19.0202.C2.o1.gs	Method	GENSCAN
Start	4268	End	6368
GI	none	Score	.4
Exons	4268..4329, 5017..5324, 5918..6023, 6065..6368		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29121	Strand	+
Start	10470	End	19700
Name	OJ991021_19.0202.C2.o3.gs	Method	GENSCAN
Start	10470	End	19358
GI	none	Score	.57
Exons	10470..10482, 10930..11019, 11092..11322, 11579..11695, 11980..12096, 12899..13054, 13362..13450, 13794..13826, 14073..14347, 14644..14863, 15294..15390, 16031..16180, 16449..16527, 16588..16870, 18115..18323, 19265..19358		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29121	Strand	+
Start	10470	End	19700
Name	OJ991021_19.0202.C2.o3.np	Method	AAT/NAP
Start	13959	End	19700
GI	6705984	Score	1848
Exons	13959..16291, 16431..16964, 19650..19700		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29122	Strand	+
Start	19959	End	24199
Name	OJ991021_19.0202.C2.o4.gs	Method	GENSCAN
Start	19959	End	24012
GI	none	Score	.44
Exons	19959..20012, 20745..20877, 21245..21466, 22851..22942, 23941..24012		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29122	Strand	+
Start	19959	End	24199
Name	OJ991021_19.0202.C2.o5.np	Method	AAT/NAP
Start	21109	End	24116
GI	1352440	Score	139
Exons	21109..21391, 22148..22278, 22362..22471, 23934..24008,		

	24063..24116
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-4F 25 KD SUBUNIT) (EIF-4F P26 SUBUNIT) gi|1002915 (U34597) p26 [Oryza sativa]

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29122	Strand	+
Start	19959	End	24199
Name	OJ991021_19.0202.C2.o2.gp	Method	AAT/GAP
Start	23846	End	24199
GI	LIB3431-015-P1-K1-G6	Score	668
Exons	23846..24199		
GI Descrip.	'1002914/gb|U34597|OSU34597 4.0e-13 Oryza sativa cap-binding protein p26 mRNA, complete cds'		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29123	Strand	+
Start	27376	End	34298
Name	OJ991021_19.0202.C2.o5.gs	Method	GENSCAN
Start	27376	End	31476
GI	none	Score	.54
Exons	27376..27505, 28354..28550, 28639..28840, 30082..30161, 30264..30491, 31342..31476		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29123	Strand	+
Start	27376	End	34298
Name	OJ991021_19.0202.C2.o3.gp	Method	AAT/GAP
Start	28293	End	30312
GI	42666_1.R1084	Score	1114
Exons	28293..28550, 28639..28840, 30082..30161, 30264..30312		
GI Descrip.	'3540194 2.0e-47 (AC004260) AtVPS45p [Arabidopsis thaliana]'		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29123	Strand	+
Start	27376	End	34298
Name	OJ991021_19.0202.C2.o6.np	Method	AAT/NAP
Start	28461	End	34298
GI	3540194	Score	1036
Exons	28461..28550, 28639..28840, 30082..30161, 30264..30491, 31342..31467, 31550..31633, 31718..31859, 34270..34298		
GI Descrip.	(AC004260) AtVPS45p [Arabidopsis thaliana]		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29124	Strand	-
Start	1	End	2168
Name	OJ991021_19.0202.C2.o1.np	Method	AAT/NAP
Start	1	End	2168
GI	5668773	Score	143
Exons	1..44, 605..686, 856..989, 2139..2168		
GI Descrip.	(AC005916) Contains similarity to gb|AF113001 silencing mediator of retinoic acid and thyroid hormone receptor alpha and gb|AF109179 cyclin T1 from Mus musculus. ESTs gb|N95317, gb|Z29139 and gb|Z30853 come from th...		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29125	Strand	-

Start	6305	End	6609
Name	OJ991021_19.0202.C2.o1.gp	Method	AAT/GAP
Start	6305	End	6609
GI	61605_3.R1084	Score	435
Exons	6305..6609		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29126	Strand	-
Start	6971	End	9895
Name	OJ991021_19.0202.C2.o2.np	Method	AAT/NAP
Start	6971	End	8724
GI	6063554	Score	725
Exons	6971..7156, 8087..8326, 8445..8724		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29126	Strand	-
Start	6971	End	9895
Name	OJ991021_19.0202.C2.o2.gs	Method	GENSCAN
Start	7675	End	9895
GI	none	Score	.62
Exons	7675..7791, 8124..8334, 8432..8683, 9462..9500, 9852..9895		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29127	Strand	-
Start	17264	End	21039
Name	OJ991021_19.0202.C2.o4.np	Method	AAT/NAP
Start	17264	End	21039
GI	6705984	Score	2823
Exons	17264..17312, 18843..21039		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o6.tm	Method	TBLASTX:Maize
Start	14330	End	14590
GI	none	Score	182
Exons	14330..14521, 14365..14484, 14372..14518, 14507..14590		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o3.tw	Method	TBLASTX:Wheat
Start	14359	End	14865
GI	none	Score	132
Exons	14359..14484, 14360..14524, 14615..14863, 14627..14863, 14629..14865		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o7.tw	Method	TBLASTX:Wheat

Start	15282	End	15609
GI	none	Score	58
Exons	15282..15338, 15330..15404, 15341..15394, 15403..15534, 15405..15533, 15547..15609, 15552..15584		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o3.tm	Method	TBLASTX:Maize
Start	16420	End	20730
GI	none	Score	195
Exons	16420..16662, 16439..16693, 20261..20320, 20317..20730, 20345..20656		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o5.tw	Method	TBLASTX:Wheat
Start	16430	End	20799
GI	none	Score	165
Exons	16430..16639, 16486..16635, 20317..20799, 20351..20671		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o2.ts	Method	TBLASTX:Soybean
Start	16616	End	20320
GI	none	Score	210
Exons	16616..16882, 16881..16964, 20006..20146, 20007..20144, 20138..20320		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o6.tw	Method	TBLASTX:Wheat
Start	16688	End	20266
GI	none	Score	105
Exons	16688..16885, 19898..20146, 19914..20126, 20138..20266		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o5.tm	Method	TBLASTX:Maize
Start	16736	End	20218
GI	none	Score	95
Exons	16736..16882, 16881..16964, 19686..19847, 19887..20126, 19898..20146, 20138..20218		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o4.tw	Method	TBLASTX:Wheat
Start	18878	End	19238
GI	none	Score	276
Exons	18878..19213, 18888..19211, 19144..19212, 19203..19238, 19206..19238		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o2.tm	Method	TBLASTX:Maize
Start	18986	End	19332
GI	none	Score	219
Exons	18986..19213, 18987..19211, 19192..19332, 19206..19331		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o2.tc	Method	TBLASTX:Cress
Start	19049	End	19419
GI	none	Score	153
Exons	19049..19213, 19050..19235, 19206..19415, 19219..19419		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o1.tw	Method	TBLASTX:Wheat
Start	19365	End	19791
GI	none	Score	78
Exons	19365..19430, 19366..19428, 19366..19446, 19367..19429, 19367..19447, 19386..19535, 19425..19535, 19429..19536, 19433..19558, 19447..19536, 19516..19584, 19540..19596, 19541..19597, 19582..19617, 19586..19621, 19590..19790, 19591..19791, 19615..19791		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o3.ts	Method	TBLASTX:Soybean
Start	19711	End	19969
GI	none	Score	163
Exons	19711..19869, 19713..19847, 19861..19902, 19861..19899, 19898..19969		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o7.tm	Method	TBLASTX:Maize
Start	20755	End	20954
GI	none	Score	140
Exons	20755..20907, 20756..20896, 20898..20954		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o4.tm	Method	TBLASTX:Maize
Start	28455	End	28751
GI	none	Score	148
Exons	28455..28553, 28461..28550, 28638..28751, 28639..28746		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o1.tc	Method	TBLASTX:Cress

Start	28458	End	31860
GI	none	Score	111
Exons	28458..28544, 28461..28553, 28629..28838, 28639..28839, 30064..30174, 30084..30134, 30085..30162, 30248..30487, 30261..30491, 30261..30485, 30263..30490, 31341..31466, 31342..31467, 31345..31467, 31547..31633, 31547..31594, 31549..31623, 31717..31848, 31718..31858, 31759..31860		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o1.ts	Method	TBLASTX:Soybean
Start	28461	End	30467
GI	none	Score	88
Exons	28461..28553, 28461..28559, 28638..28838, 28639..28839, 30079..30174, 30084..30134, 30085..30183, 30247..30381, 30261..30467, 30261..30467		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o2.tw	Method	TBLASTX:Wheat
Start	28716	End	30488
GI	none	Score	178
Exons	28716..28841, 28717..28839, 30081..30122, 30082..30162, 30082..30171, 30261..30452, 30263..30442, 30444..30488, 30445..30486		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o1.tm	Method	TBLASTX:Maize
Start	31341	End	31894
GI	none	Score	220
Exons	31341..31463, 31342..31467, 31342..31467, 31547..31630, 31549..31626, 31705..31839, 31715..31858, 31715..31894, 31759..31863		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o4.ts	Method	TBLASTX:Soybean
Start	31341	End	31573
GI	none	Score	191
Exons	31341..31460, 31342..31467, 31345..31467, 31547..31573		

Seq. No.	13691	Seq. ID	OJ991021_19.0202.C2
Gene No.	29128	Strand	-
Start	31733	End	34194
Name	OJ991021_19.0202.C2.o6.gs	Method	GENSCAN
Start	31733	End	34194
GI	none	Score	.7
Exons	31733..31886, 32120..32309, 33858..34013, 34032..34194		

Seq. No.	13692	Seq. ID	OJ991021_19.0202.C3
Gene No.	29129	Strand	+
Start	1	End	3824

Name	OJ991021_19.0202.C3.o1.np	Method	AAT/NAP
Start	1	End	3010
GI	3540194	Score	839
Exons	1..31, 259..445, 1182..1337, 2178..2285, 2362..2483, 2696..2827, 2953..3010		
GI Descrip.	(AC004260) AtVPS45p [Arabidopsis thaliana]		

Seq. No.	13692	Seq. ID	OJ991021_19.0202.C3
Gene No.	29129	Strand	+
Start	1	End	3824
Name	OJ991021_19.0202.C3.o1.gs	Method	GENSCAN
Start	267	End	3824
GI	none	Score	.8
Exons	267..445, 1182..1337, 2178..2285, 2407..2483, 2696..2827, 3441..3576, 3597..3824		

Seq. No.	13692	Seq. ID	OJ991021_19.0202.C3
Gene No.	29129	Strand	+
Start	1	End	3824
Name	OJ991021_19.0202.C3.o1.gp	Method	AAT/GAP
Start	387	End	2445
GI	62696_1.R1084	Score	724
Exons	387..445, 1182..1337, 2178..2285, 2362..2445		
GI Descrip.	'3540194 1.0e-46 (AC004260) AtVPS45p [Arabidopsis thaliana]'		

Seq. No.	13692	Seq. ID	OJ991021_19.0202.C3
Gene No.	29130	Strand	+
Start	4382	End	6099
Name	OJ991021_19.0202.C3.o1.tc	Method	TBLASTX:Cress
Start	254	End	3001
GI	none	Score	213
Exons	254..451, 268..444, 1179..1349, 1181..1360, 1181..1339, 2177..2296, 2178..2285, 2182..2289, 2347..2484, 2348..2443, 2356..2484, 2670..2834, 2696..2827, 2950..3000, 2951..3001		

Seq. No.	13692	Seq. ID	OJ991021_19.0202.C3
Gene No.	29130	Strand	-
Start	4382	End	6099
Name	OJ991021_19.0202.C3.o1.tm	Method	TBLASTX:Maize
Start	2181	End	3049
GI	none	Score	175
Exons	2181..2285, 2183..2287, 2183..2296, 2333..2443, 2356..2484, 2361..2489, 2361..2477, 2687..2830, 2693..2827, 2694..2834, 2942..3049, 2950..3012		

Seq. No.	13692	Seq. ID	OJ991021_19.0202.C3
Gene No.	29130	Strand	-
Start	4382	End	6099
Name	OJ991021_19.0202.C3.o2.gs	Method	GENSCAN
Start	4382	End	6099
GI	none	Score	.61
Exons	4382..4393, 4540..4830, 6013..6099		

Seq. No.	13693	Seq. ID	OJ991021_19.0202.C4
Gene No.	29131	Strand	+
Start	1	End	2312
Name	OJ991021_19.0202.C4.o1.np	Method	AAT/NAP

Start	1	End	1605
GI	4680341	Score	162
Exons	1..31, 837..1433, 1535..1605		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	13693	Seq. ID	OJ991021_19.0202.C4
Gene No.	29131	Strand	+
Start	1	End	2312
Name	OJ991021_19.0202.C4.o1.gs	Method	GENSCAN
Start	47	End	2312
GI	none	Score	.6
Exons	47..270, 293..389, 639..655, 917..1056, 1061..1212, 1283..1424, 1762..1869, 2272..2312		

Seq. No.	13694	Seq. ID	OJ991021_19.0202.C5
Gene No.	29132	Strand	+
Start	1	End	10547
Name	OJ991021_19.0202.C5.o1.np	Method	AAT/NAP
Start	1	End	5374
GI	81286	Score	219
Exons	1..226, 483..617, 1010..1194, 4952..5374		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	13694	Seq. ID	OJ991021_19.0202.C5
Gene No.	29132	Strand	+
Start	1	End	10547
Name	OJ991021_19.0202.C5.o2.np	Method	AAT/NAP
Start	1	End	10547
GI	4680183	Score	207
Exons	1..22, 9780..9850, 10458..10547		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	13694	Seq. ID	OJ991021_19.0202.C5
Gene No.	29132	Strand	+
Start	1	End	10547
Name	OJ991021_19.0202.C5.o1.gs	Method	GENSCAN
Start	91	End	711
GI	none	Score	.83
Exons	91..711		

Seq. No.	13694	Seq. ID	OJ991021_19.0202.C5
Gene No.	29133	Strand	+
Start	11237	End	11717
Name	OJ991021_19.0202.C5.o3.np	Method	AAT/NAP
Start	11237	End	11717
GI	6721560	Score	203
Exons	11237..11349, 11391..11717		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13694	Seq. ID	OJ991021_19.0202.C5
Gene No.	29134	Strand	-
Start	920	End	2413
Name	OJ991021_19.0202.C5.o2.gs	Method	GENSCAN
Start	920	End	2413

GI	none	Score	.75
Exons	920..1519, 2408..2413		
Seq. No.	13694	Seq. ID	OJ991021_19.0202.C5
Gene No.	29135	Strand	-
Start	4763	End	5371
Name	OJ991021_19.0202.C5.o3.gs	Method	GENSCAN
Start	4763	End	5371
GI	none	Score	.67
Exons	4763..5371		
Seq. No.	13695	Seq. ID	OJ991021_19.0202.C6
Gene No.	29136	Strand	+
Start	1	End	392
Name	OJ991021_19.0202.C6.o1.np	Method	AAT/NAP
Start	1	End	392
GI	6721559	Score	220
Exons	1..232, 264..392		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	13695	Seq. ID	OJ991021_19.0202.C6
Gene No.	29137	Strand	+
Start	677	End	809
Name	OJ991021_19.0202.C6.o1.gs	Method	GENSCAN
Start	677	End	809
GI	none	Score	.46
Exons	677..809		
Seq. No.	13696	Seq. ID	OJ991021_19.0202.C7
Gene No.	29138	Strand	+
Start	1	End	671
Name	OJ991021_19.0202.C7.o1.np	Method	AAT/NAP
Start	1	End	671
GI	6560764	Score	319
Exons	1..287, 321..671		
GI Descrip.	(AC010155) F3M18.12 [Arabidopsis thaliana]		
Seq. No.	13696	Seq. ID	OJ991021_19.0202.C7
Gene No.	29138	Strand	+
Start	1	End	671
Name	OJ991021_19.0202.C7.o1.tc	Method	TBLASTX:Cress
Start	13	End	671
GI	none	Score	65
Exons	13..111, 340..477, 345..476, 553..666, 579..671		
Seq. No.	13696	Seq. ID	OJ991021_19.0202.C7
Gene No.	29138	Strand	+
Start	1	End	671
Name	OJ991021_19.0202.C7.o1.ts	Method	TBLASTX:Soybean
Start	21	End	671
GI	none	Score	110
Exons	21..110, 22..111, 304..480, 330..479, 343..480, 532..669, 553..600, 570..671		
Seq. No.	13696	Seq. ID	OJ991021_19.0202.C7

Gene No.	29138	Strand	+
Start	1	End	671
Name	OJ991021_19.0202.C7.o1.gs	Method	GENSCAN
Start	58	End	636
GI	none	Score	.42
Exons	58..636		

Seq. No.	13696	Seq. ID	OJ991021_19.0202.C7
Gene No.	29138	Strand	+
Start	1	End	671
Name	OJ991021_19.0202.C7.o1.tm	Method	TBLASTX:Maize
Start	328	End	671
GI	none	Score	123
Exons	328..477, 333..476, 535..666, 570..671		

Seq. No.	13697	Seq. ID	OJ991021_19.0202.C8
Gene No.	29139	Strand	+
Start	307	End	373
Name	OJ991021_19.0202.C8.o1.gs	Method	GENSCAN
Start	307	End	373
GI	none	Score	.63
Exons	307..373		

Seq. No.	13698	Seq. ID	OJ991021_19.0202.C9
Gene No.	29140	Strand	+
Start	290	End	829
Name	OJ991021_19.0202.C9.o1.gs	Method	GENSCAN
Start	290	End	829
GI	none	Score	.99
Exons	290..829		

Seq. No.	13699	Seq. ID	OJ991021_19.0202.C11
Gene No.	29141	Strand	-
Start	1	End	61
Name	OJ991021_19.0202.C11.o1.gp	Method	AAT/GAP
Start	1	End	61
GI	5667165	Score	114
Exons	1..61		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	13700	Seq. ID	OJ991021_19.0202.C12
Gene No.	29142	Strand	+
Start	1	End	381
Name	OJ991021_19.0202.C12.o1.np	Method	AAT/NAP
Start	1	End	381
GI	6539570	Score	147
Exons	1..139, 322..381		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	13700	Seq. ID	OJ991021_19.0202.C12
Gene No.	29143	Strand	+
Start	3501	End	6472
Name	OJ991021_19.0202.C12.o3.np	Method	AAT/NAP
Start	3501	End	6472
GI	5042463	Score	182
Exons	3501..3557, 4742..4925, 5586..5751, 5800..5875, 6412..6472		

GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No.	13700	Seq. ID	OJ991021_19.0202.C12
Gene No.	29144	Strand	+
Start	8773	End	13112
Name	OJ991021_19.0202.C12.o1.gp	Method	AAT/GAP
Start	8773	End	13034
GI	31887_1.R1084	Score	1481
Exons	8773..9029, 10564..10801, 11340..11473, 11556..11630, 12927..13034		
GI Descrip.	'3212861 3.0e-75 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13700	Seq. ID	OJ991021_19.0202.C12
Gene No.	29144	Strand	+
Start	8773	End	13112
Name	OJ991021_19.0202.C12.o4.np	Method	AAT/NAP
Start	8814	End	13112
GI	3212861	Score	532
Exons	8814..9029, 10564..10801, 11340..11473, 11556..11630, 12927..13112		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	13700	Seq. ID	OJ991021_19.0202.C12
Gene No.	29144	Strand	+
Start	8773	End	13112
Name	OJ991021_19.0202.C12.o4.gs	Method	GENSCAN
Start	10585	End	12376
GI	none	Score	.92
Exons	10585..10801, 11340..11473, 11556..11630, 12326..12376		

Seq. No.	13700	Seq. ID	OJ991021_19.0202.C12
Gene No.	29145	Strand	-
Start	2615	End	5313
Name	OJ991021_19.0202.C12.o2.gs	Method	GENSCAN
Start	2615	End	5313
GI	none	Score	.7
Exons	2615..2782, 3567..3677, 3794..3843, 3991..4319, 4369..4579, 5301..5313		

Seq. No.	13700	Seq. ID	OJ991021_19.0202.C12
Gene No.	29146	Strand	-
Start	6838	End	11406
Name	OJ991021_19.0202.C12.o3.gs	Method	GENSCAN
Start	6838	End	9302
GI	none	Score	.58
Exons	6838..7031, 8743..9055, 9294..9302		

Seq. No.	13700	Seq. ID	OJ991021_19.0202.C12
Gene No.	29146	Strand	-
Start	6838	End	11406
Name	OJ991021_19.0202.C12.o1.tm	Method	TBLASTX:Maize
Start	8801	End	11406
GI	none	Score	161
Exons	8801..9031, 8802..9026, 8962..9033, 10554..10748, 10555..10800, 10555..10812, 10907..10963, 11338..11406, 11339..11404, 11343..11405, 11344..11406		

Seq. No.	13701	Seq. ID	OJ991021_19.0202.C14
Gene No.	29147	Strand	+
Start	1254	End	1556
Name	OJ991021_19.0202.C14.o1.gs	Method	GENSCAN
Start	1254	End	1556
GI	none	Score	.91
Exons	1254..1556		

Seq. No.	13701	Seq. ID	OJ991021_19.0202.C14
Gene No.	29148	Strand	-
Start	3237	End	4683
Name	OJ991021_19.0202.C14.o2.gs	Method	GENSCAN
Start	3237	End	4683
GI	none	Score	.41
Exons	3237..3488, 3524..3703, 4471..4683		

Seq. No.	13701	Seq. ID	OJ991021_19.0202.C14
Gene No.	29149	Strand	-
Start	5372	End	7120
Name	OJ991021_19.0202.C14.o1.np	Method	AAT/NAP
Start	5372	End	7120
GI	4325357	Score	422
Exons	5372..5988, 6429..7120		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	13701	Seq. ID	OJ991021_19.0202.C14
Gene No.	29150	Strand	-
Start	8132	End	10003
Name	OJ991021_19.0202.C14.o2.tw	Method	TBLASTX:Wheat
Start	5693	End	6064
GI	none	Score	78
Exons	5693..5878, 5694..5876, 5921..6064, 5924..6064		

Seq. No.	13701	Seq. ID	OJ991021_19.0202.C14
Gene No.	29150	Strand	-
Start	8132	End	10003
Name	OJ991021_19.0202.C14.o1.tc	Method	TBLASTX:Cress
Start	6453	End	6761
GI	none	Score	201
Exons	6453..6761		

Seq. No.	13701	Seq. ID	OJ991021_19.0202.C14
Gene No.	29150	Strand	-
Start	8132	End	10003
Name	OJ991021_19.0202.C14.o1.ts	Method	TBLASTX:Soybean
Start	6498	End	6907
GI	none	Score	67
Exons	6498..6776, 6818..6907		

Seq. No.	13701	Seq. ID	OJ991021_19.0202.C14
Gene No.	29150	Strand	-
Start	8132	End	10003
Name	OJ991021_19.0202.C14.o1.tw	Method	TBLASTX:Wheat
Start	6498	End	6907

GI	none	Score	86
Exons	6498..6587, 6561..6776, 6791..6907		

Seq. No.	13701	Seq. ID	OJ991021_19.0202.C14
Gene No.	29150	Strand	-
Start	8132	End	10003
Name	OJ991021_19.0202.C14.o2.np	Method	AAT/NAP
Start	8132	End	10003
GI	6721512	Score	89
Exons	8132..8165, 9623..9800, 9827..10003		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29151	Strand	+
Start	1	End	1611
Name	OJ991021_19.0202.C15.o1.np	Method	AAT/NAP
Start	1	End	1542
GI	6721562	Score	397
Exons	1..52, 854..1542		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29151	Strand	+
Start	1	End	1611
Name	OJ991021_19.0202.C15.o1.gs	Method	GENSCAN
Start	328	End	1611
GI	none	Score	.9
Exons	328..426, 554..974, 1061..1351, 1463..1611		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o3.tw	Method	TBLASTX:Wheat
Start	979	End	1374
GI	none	Score	244
Exons	979..1374		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o2.gs	Method	GENSCAN
Start	1702	End	10525
GI	none	Score	.65
Exons	1702..1904, 2545..2606, 2961..3037, 3072..3264, 6022..6119, 6194..6321, 6458..6551, 6798..7270, 7607..7664, 8671..8964, 9651..9781, 10207..10525		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o2.np	Method	AAT/NAP
Start	5061	End	5354
GI	6815099	Score	93

Exons	5061..5354		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o1.gp	Method	AAT/GAP
Start	5325	End	6285
GI	11000_1.R1084	Score	888
Exons	5325..5651, 6022..6119, 6194..6285		
GI Descrip.	'5731763/emb|CAB52582.1| 3.0e-21 (X92419) SNAP25A protein [Arabidopsis thaliana] >gi_5731764_emb_CAB52583.1_ (X92420) SNAP25AB protein [Arabidopsis thaliana]'		
Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o1.ts	Method	TBLASTX:Soybean
Start	5552	End	7178
GI	none	Score	94
Exons	5552..5653, 6021..6122, 6022..6117, 6191..6250, 6192..6248, 6254..6331, 6267..6323, 6465..6554, 6472..6549, 6685..6708, 6798..7025, 6805..7032, 7140..7178		
Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o2.tw	Method	TBLASTX:Wheat
Start	5552	End	6858
GI	none	Score	84
Exons	5552..5650, 5553..5651, 6021..6077, 6024..6116, 6025..6117, 6055..6117, 6056..6118, 6194..6331, 6195..6323, 6453..6533, 6454..6531, 6459..6554, 6460..6549, 6798..6857, 6798..6857, 6799..6858		
Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o3.np	Method	AAT/NAP
Start	5555	End	7483
GI	5731763	Score	563
Exons	5555..5651, 6022..6119, 6194..6321, 6458..6551, 6798..7193, 7427..7483		
GI Descrip.	(X92419) SNAP25A protein [Arabidopsis thaliana] gi|5731764|emb|CAB52583.1| (X92420) SNAP25AB protein [Arabidopsis thaliana]		
Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o3.tm	Method	TBLASTX:Maize
Start	6200	End	7226
GI	none	Score	116
Exons	6200..6331, 6219..6320, 6223..6324, 6460..6510, 6462..6524, 6463..6525, 6493..6561, 6511..6552, 6798..6935, 6798..7025, 6799..7059, 7137..7187, 7155..7226		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o2.gp	Method	AAT/GAP
Start	6440	End	7191
GI	uC-osroM202033e07b1	Score	891
Exons	6440..6551, 6798..7191		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o4.np	Method	AAT/NAP
Start	8275	End	10693
GI	4585985	Score	1062
Exons	8275..9587, 9887..10693		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o1.tm	Method	TBLASTX:Maize
Start	8483	End	8841
GI	none	Score	197
Exons	8483..8554, 8485..8754, 8485..8841, 8486..8794		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o1.tc	Method	TBLASTX:Cress
Start	8569	End	8799
GI	none	Score	68
Exons	8569..8799, 8666..8794		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o1.tw	Method	TBLASTX:Wheat
Start	8680	End	9063
GI	none	Score	101
Exons	8680..8904, 8681..8779, 8908..8970, 8953..9063		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o4.tm	Method	TBLASTX:Maize
Start	9010	End	9202
GI	none	Score	202
Exons	9010..9201, 9014..9202		

Seq. No.	13702	Seq. ID	OJ991021_19.0202.C15
Gene No.	29152	Strand	-
Start	1702	End	10693
Name	OJ991021_19.0202.C15.o2.tm	Method	TBLASTX:Maize
Start	9867	End	10259
GI	none	Score	124

Exons	9867..10052, 9869..10042, 9920..10069, 10052..10258, 10056..10259, 10056..10259		
Seq. No.	13703	Seq. ID	OJ991011_14.0207.C2
Gene No.	29153	Strand	-
Start	2192	End	4737
Name	OJ991011_14.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	2097	End	3350
GI	none	Score	43
Exons	2097..2150, 2098..2139, 2182..2295, 2189..2305, 2195..2299, 2196..2309, 2808..2897, 2813..2893, 2982..3038, 2983..3039, 2984..3034, 3262..3348, 3282..3350, 3282..3350		
Seq. No.	13703	Seq. ID	OJ991011_14.0207.C2
Gene No.	29153	Strand	-
Start	2192	End	4737
Name	OJ991011_14.0207.C2.o1.tc	Method	TBLASTX:Cress
Start	2192	End	3352
GI	none	Score	65
Exons	2192..2302, 2192..2305, 2199..2324, 2795..2902, 2808..2897, 2984..3034, 3242..3352		
Seq. No.	13703	Seq. ID	OJ991011_14.0207.C2
Gene No.	29153	Strand	-
Start	2192	End	4737
Name	OJ991011_14.0207.C2.o1.ts	Method	TBLASTX:Soybean
Start	2192	End	2879
GI	none	Score	160
Exons	2192..2305, 2196..2324, 2808..2879		
Seq. No.	13703	Seq. ID	OJ991011_14.0207.C2
Gene No.	29153	Strand	-
Start	2192	End	4737
Name	OJ991011_14.0207.C2.o2.gs	Method	GENSCAN
Start	2192	End	4737
GI	none	Score	.85
Exons	2192..2306, 2809..2932, 3244..3350, 3590..3657, 4057..4124, 4374..4737		
Seq. No.	13703	Seq. ID	OJ991011_14.0207.C2
Gene No.	29153	Strand	-
Start	2192	End	4737
Name	OJ991011_14.0207.C2.o1.np	Method	AAT/NAP
Start	2195	End	4715
GI	2911066	Score	434
Exons	2195..2306, 2809..2891, 2984..3033, 3244..3350, 4612..4715		
GI Descrip.	(AL021960) adrenodoxin-like protein [Arabidopsis thaliana]		
Seq. No.	13703	Seq. ID	OJ991011_14.0207.C2
Gene No.	29153	Strand	-
Start	2192	End	4737
Name	OJ991011_14.0207.C2.o1.gp	Method	AAT/GAP
Start	4037	End	4473
GI	2310285	Score	794
Exons	4037..4473		
Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3

Gene No.	29154	Strand	+
Start	265	End	2816
Name	OJ991011_14.0207.C3.o1.np	Method	AAT/NAP
Start	265	End	2377
GI	4914332	Score	2051
Exons	265..1202, 1416..1528, 1565..2377		
GI Descrip.	(AC005489) F14N23.18 [Arabidopsis thaliana]		

Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29154	Strand	+
Start	265	End	2816
Name	OJ991011_14.0207.C3.o1.gs	Method	GENSCAN
Start	352	End	2380
GI	none	Score	.72
Exons	352..562, 589..1418, 1526..2380		

Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29154	Strand	+
Start	265	End	2816
Name	OJ991011_14.0207.C3.o1.gp	Method	AAT/GAP
Start	1124	End	2816
GI	16535_1.R1084	Score	2632
Exons	1124..2417, 2517..2816		
GI Descrip.	'4914332/gb|AAD32880.1|AC005489_18 4.0e-67 (AC005489) F14N23.18 [Arabidopsis thaliana]'		

Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29155	Strand	+
Start	3860	End	5935
Name	OJ991011_14.0207.C3.o2.gs	Method	GENSCAN
Start	3860	End	5935
GI	none	Score	.63
Exons	3860..3994, 5604..5683, 5779..5935		

Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o2.ts	Method	TBLASTX:Soybean
Start	351	End	824
GI	none	Score	96
Exons	351..458, 351..458, 352..459, 456..797, 458..796, 786..824, 800..823		

Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o2.tm	Method	TBLASTX:Maize
Start	378	End	603
GI	none	Score	139
Exons	378..458, 379..459, 422..586, 456..602, 457..603, 458..598		

Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o1.tm	Method	TBLASTX:Maize
Start	878	End	2382
GI	none	Score	929

Exons	878..1477, 879..1478, 1467..1568, 1479..1535, 1581..2381, 1605..2171, 1616..2197, 2185..2379, 2267..2380, 2272..2382		
Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o1.ts	Method	TBLASTX:Soybean
Start	911	End	1530
GI	none	Score	640
Exons	911..1300, 912..1304, 1213..1335, 1311..1478, 1323..1412, 1334..1486, 1334..1477, 1478..1525, 1480..1530		
Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o4.ts	Method	TBLASTX:Soybean
Start	1554	End	1792
GI	none	Score	36
Exons	1554..1595, 1607..1747, 1609..1749, 1615..1752, 1649..1792, 1653..1778		
Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o1.tc	Method	TBLASTX:Cress
Start	1667	End	2215
GI	none	Score	116
Exons	1667..1747, 1681..1752, 1682..1771, 1683..1778, 1820..2020, 1834..2031, 1845..2057, 1867..2064, 2094..2174, 2182..2214, 2183..2215		
Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o3.ts	Method	TBLASTX:Soybean
Start	1849	End	2380
GI	none	Score	212
Exons	1849..2031, 1859..2020, 1862..2140, 1863..2075, 2097..2144, 2182..2376, 2183..2380		
Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o2.gp	Method	AAT/GAP
Start	8120	End	10594
GI	2798213	Score	928
Exons	8120..8462, 8577..8656, 10509..10594		
Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o3.gs	Method	GENSCAN
Start	8282	End	14716
GI	none	Score	.67
Exons	8282..8462, 8577..8656, 10509..10620, 11000..11134, 13353..13476, 14541..14716		

Seq. No.	13704	Seq. ID	OJ991011_14.0207.C3
Gene No.	29156	Strand	-
Start	8282	End	14716
Name	OJ991011_14.0207.C3.o3.gp	Method	AAT/GAP
Start	13174	End	13713
GI	426391	Score	801
Exons	13174..13236, 13353..13713		

Seq. No.	13705	Seq. ID	OJ991011_14.0207.C4
Gene No.	29157	Strand	-
Start	1289	End	2798
Name	OJ991011_14.0207.C4.o1.gs	Method	GENSCAN
Start	1289	End	2798
GI	none	Score	.6
Exons	1289..1363, 1801..1961, 2741..2798		

Seq. No.	13706	Seq. ID	OJ991011_14.0207.C5
Gene No.	29158	Strand	+
Start	44	End	376
Name	OJ991011_14.0207.C5.o1.gs	Method	GENSCAN
Start	44	End	376
GI	none	Score	.89
Exons	44..376		

Seq. No.	13706	Seq. ID	OJ991011_14.0207.C5
Gene No.	29159	Strand	-
Start	1387	End	1767
Name	OJ991011_14.0207.C5.o2.gs	Method	GENSCAN
Start	1387	End	1767
GI	none	Score	.93
Exons	1387..1549, 1646..1767		

Seq. No.	13707	Seq. ID	OJ991011_14.0207.C6
Gene No.	29160	Strand	+
Start	1	End	11720
Name	OJ991011_14.0207.C6.o1.np	Method	AAT/NAP
Start	1	End	11720
GI	1658503	Score	135
Exons	1..63, 3658..3808, 3970..4375, 6919..7093, 7465..7596, 7710..7836, 11698..11720		
GI Descrip.	(U75467) Atu [Drosophila melanogaster]		

Seq. No.	13707	Seq. ID	OJ991011_14.0207.C6
Gene No.	29160	Strand	+
Start	1	End	11720
Name	OJ991011_14.0207.C6.o1.gp	Method	AAT/GAP
Start	161	End	1157
GI	none	Score	1422
Exons	161..325, 425..570, 700..1157		

Seq. No.	13707	Seq. ID	OJ991011_14.0207.C6
Gene No.	29160	Strand	+
Start	1	End	11720
Name	OJ991011_14.0207.C6.o1.gs	Method	GENSCAN
Start	257	End	11621
GI	none	Score	.7
Exons	257..325, 425..570, 700..723, 3561..4272, 4844..5202,		

5666..5780, 6254..6436, 6917..7093, 7465..7596, 7707..7886,
9225..9356, 10514..10627, 10716..10943, 11478..11621

Seq. No.	13707	Seq. ID	OJ991011_14.0207.C6
Gene No.	29160	Strand	+
Start	1	End	11720
Name	OJ991011_14.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	4903	End	10805
GI	none	Score	108
Exons	4903..5055, 4916..5194, 4949..5194, 5131..5226, 5650..5784, 5664..5780, 6254..6373, 6256..6387, 6264..6467, 6264..6443, 6373..6465, 6410..6487, 6916..7092, 6917..7093, 6917..7093, 7464..7547, 7465..7596, 7466..7597, 7467..7595, 7688..7885, 7704..7904, 9230..9358, 9231..9356, 10514..10639, 10514..10627, 10746..10784, 10752..10805		

Seq. No.	13707	Seq. ID	OJ991011_14.0207.C6
Gene No.	29160	Strand	+
Start	1	End	11720
Name	OJ991011_14.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	6931	End	7904
GI	none	Score	253
Exons	6931..7092, 6932..7093, 6938..7093, 7465..7596, 7467..7595, 7704..7904, 7704..7766, 7706..7882		

Seq. No.	13707	Seq. ID	OJ991011_14.0207.C6
Gene No.	29160	Strand	+
Start	1	End	11720
Name	OJ991011_14.0207.C6.o3.gp	Method	AAT/GAP
Start	7465	End	7848
GI	uC-osflcyp092e11b1	Score	382
Exons	7465..7597, 7707..7848		
GI Descrip.	'1658503 3.0e-10 (U75467) Atu [Drosophila melanogaster]'		

Seq. No.	13707	Seq. ID	OJ991011_14.0207.C6
Gene No.	29160	Strand	+
Start	1	End	11720
Name	OJ991011_14.0207.C6.o4.gp	Method	AAT/GAP
Start	7707	End	10877
GI	59922_1.R1084	Score	1052
Exons	7707..7886, 9225..9356, 10514..10627, 10716..10877		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29161	Strand	+
Start	298	End	2702
Name	OJ991011_14.0207.C7.o1.gp	Method	AAT/GAP
Start	298	End	2702
GI	1969_2.R1084	Score	2432
Exons	298..776, 853..940, 2002..2702		
GI Descrip.	'4753651/emb|CAB41927.1| 1.0e-88 (AL049751) ribosomal protein L13a like protein [Arabidopsis thaliana]'		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29161	Strand	+
Start	298	End	2702

Name	OJ991011_14.0207.C7.o1.gs	Method	GENSCAN
Start	317	End	2145
GI	none	Score	.65
Exons	317..776, 853..940, 2002..2145		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29161	Strand	+
Start	298	End	2702
Name	OJ991011_14.0207.C7.o1.np	Method	AAT/NAP
Start	388	End	2142
GI	6642654	Score	853
Exons	388..776, 853..940, 2002..2142		
GI Descrip.	(AC012395) putative 60S ribosomal protein L13A [Arabidopsis thaliana]		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29162	Strand	-
Start	3388	End	3561
Name	OJ991011_14.0207.C7.o1.ts	Method	TBLASTX:Soybean
Start	382	End	2160
GI	none	Score	642
Exons	382..792, 384..776, 844..942, 851..940, 1996..2160, 2001..2153		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29162	Strand	-
Start	3388	End	3561
Name	OJ991011_14.0207.C7.o1.tc	Method	TBLASTX:Cress
Start	384	End	937
GI	none	Score	620
Exons	384..776, 385..792, 844..936, 851..937		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29162	Strand	-
Start	3388	End	3561
Name	OJ991011_14.0207.C7.o1.tw	Method	TBLASTX:Wheat
Start	385	End	776
GI	none	Score	646
Exons	385..774, 387..776		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29162	Strand	-
Start	3388	End	3561
Name	OJ991011_14.0207.C7.o1.tm	Method	TBLASTX:Maize
Start	387	End	2172
GI	none	Score	41
Exons	387..410, 388..417, 403..792, 423..776, 844..942, 851..940, 906..944, 907..945, 1996..2172, 2001..2150		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29162	Strand	-
Start	3388	End	3561
Name	OJ991011_14.0207.C7.o2.tw	Method	TBLASTX:Wheat
Start	853	End	2172
GI	none	Score	160
Exons	853..942, 854..940, 906..944, 907..945, 1996..2172, 2001..2150		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7

Gene No.	29162	Strand	-
Start	3388	End	3561
Name	OJ991011_14.0207.C7.o2.tc	Method	TBLASTX:Cress
Start	1996	End	2148
GI	none	Score	190
Exons	1996..2148, 2001..2144		

Seq. No.	13708	Seq. ID	OJ991011_14.0207.C7
Gene No.	29162	Strand	-
Start	3388	End	3561
Name	OJ991011_14.0207.C7.o2.gs	Method	GENSCAN
Start	3388	End	3561
GI	none	Score	.79
Exons	3388..3561		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29163	Strand	-
Start	1	End	6427
Name	OJ991011_14.0207.C8.o1.np	Method	AAT/NAP
Start	1	End	3590
GI	6041800	Score	357
Exons	1..434, 1470..1739, 2048..2521, 2593..2852, 2955..3097, 3149..3310, 3347..3395, 3459..3590		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana] gi|6513917|gb|AAF14821.1|AC011664_3 (AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29163	Strand	-
Start	1	End	6427
Name	OJ991011_14.0207.C8.o2.np	Method	AAT/NAP
Start	57	End	5266
GI	6041800	Score	363
Exons	57..434, 1470..1739, 2048..2521, 2593..2852, 2955..3097, 3149..3310, 3347..3395, 3459..4096, 5099..5266		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana] gi|6513917|gb|AAF14821.1|AC011664_3 (AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29163	Strand	-
Start	1	End	6427
Name	OJ991011_14.0207.C8.o1.gs	Method	GENSCAN
Start	95	End	6427
GI	none	Score	.82
Exons	95..630, 1613..1763, 2057..4153, 4248..4315, 5116..5284, 5417..5474, 5476..5579, 6272..6427		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o1.ts	Method	TBLASTX:Soybean
Start	164	End	457
GI	none	Score	115
Exons	164..457, 297..455		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8

Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o4.tm	Method	TBLASTX:Maize
Start	207	End	609
GI	none	Score	115
Exons	207..350, 209..358, 210..350, 345..485, 345..476, 347..529, 470..571, 471..578, 477..608, 478..609		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o2.tm	Method	TBLASTX:Maize
Start	1614	End	2728
GI	none	Score	63
Exons	1614..1700, 1615..1686, 1623..1703, 1704..1763, 1707..1772, 2036..2173, 2054..2134, 2147..2233, 2150..2269, 2175..2267, 2258..2677, 2259..2642, 2651..2719, 2651..2728, 2703..2726		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o1.tm	Method	TBLASTX:Maize
Start	2945	End	3718
GI	none	Score	65
Exons	2945..3061, 2994..3044, 3085..3195, 3085..3288, 3089..3346, 3090..3266, 3332..3655, 3333..3440, 3347..3661, 3352..3660, 3650..3700, 3650..3718		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o5.tm	Method	TBLASTX:Maize
Start	3735	End	4162
GI	none	Score	129
Exons	3735..3875, 3737..3889, 3738..3878, 3823..3900, 3923..4000, 3924..4049, 3931..4113, 4103..4162, 4103..4162		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o3.tm	Method	TBLASTX:Maize
Start	10697	End	11322
GI	none	Score	112
Exons	10697..10873, 10707..10886, 10724..10882, 10947..11036, 10974..11033, 10975..11037, 11002..11040, 11130..11321, 11133..11225, 11134..11322		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o2.gs	Method	GENSCAN
Start	10715	End	14615
GI	none	Score	.67
Exons	10715..10881, 11542..11653, 11919..12778, 13141..13488, 13562..13602, 13838..14195, 14517..14615		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8

Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o1.gp	Method	AAT/GAP
Start	10724	End	11272
GI	uC-osflM202066g04b1	Score	616
Exons	10724..10881, 10976..11036, 11142..11272		
GI Descrip.	'4538948/emb|CAB39684.1| 5.0e-37 (AL049483) putative protein [Arabidopsis thaliana]'		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o3.np	Method	AAT/NAP
Start	10730	End	14675
GI	4538948	Score	307
Exons	10730..10881, 10976..11036, 11142..11327, 11542..11675, 11863..12012, 12460..12755, 13301..13507, 14593..14675		
GI Descrip.	(AL049483) putative protein [Arabidopsis thaliana]		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o1.tc	Method	TBLASTX:Cress
Start	10733	End	11192
GI	none	Score	62
Exons	10733..10882, 10974..11036, 11130..11192		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o1.tw	Method	TBLASTX:Wheat
Start	10759	End	11180
GI	none	Score	158
Exons	10759..10881, 10760..10882, 10947..11033, 10975..11034, 10975..11034, 10976..11038, 11145..11174, 11145..11180, 11150..11176		

Seq. No.	13709	Seq. ID	OJ991011_14.0207.C8
Gene No.	29164	Strand	-
Start	10715	End	14675
Name	OJ991011_14.0207.C8.o2.gp	Method	AAT/GAP
Start	10976	End	11471
GI	uC-osflM202066g04b1	Score	434
Exons	10976..11036, 11142..11382, 11447..11471		
GI Descrip.	'4538948/emb|CAB39684.1| 5.0e-37 (AL049483) putative protein [Arabidopsis thaliana]'		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29165	Strand	+
Start	395	End	7581
Name	OJ991011_14.0207.C10.o1.gs	Method	GENSCAN
Start	395	End	7452
GI	none	Score	.5
Exons	395..608, 625..799, 2023..2179, 2776..2964, 5080..6432, 6538..7452		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10

Gene No.	29165	Strand	+
Start	395	End	7581
Name	OJ991011_14.0207.C10.o1.np	Method	AAT/NAP
Start	5329	End	7389
GI	2832637	Score	428
Exons	5329..5756, 5847..6147, 6184..7389		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29165	Strand	+
Start	395	End	7581
Name	OJ991011_14.0207.C10.o2.gp	Method	AAT/GAP
Start	6803	End	7054
GI	2442703	Score	450
Exons	6803..7054		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29165	Strand	+
Start	395	End	7581
Name	OJ991011_14.0207.C10.o3.gp	Method	AAT/GAP
Start	7309	End	7581
GI	3762973	Score	477
Exons	7309..7581		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29166	Strand	+
Start	9099	End	9176
Name	OJ991011_14.0207.C10.o2.np	Method	AAT/NAP
Start	9099	End	9176
GI	6630699	Score	86
Exons	9099..9176		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29167	Strand	+
Start	11201	End	12545
Name	OJ991011_14.0207.C10.o4.np	Method	AAT/NAP
Start	11201	End	12545
GI	6630699	Score	88
Exons	11201..11255, 12462..12545		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29168	Strand	+
Start	12682	End	13138
Name	OJ991011_14.0207.C10.o5.np	Method	AAT/NAP
Start	12682	End	13138
GI	6539570	Score	166
Exons	12682..12876, 13070..13138		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29169	Strand	+

Start	17940	End	20331
Name	OJ991011_14.0207.C10.o5.gs	Method	GENSCAN
Start	17940	End	20331
GI	none	Score	.71
Exons	17940..17991, 19717..19842, 20225..20331		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29170	Strand	-
Start	8271	End	9283
Name	OJ991011_14.0207.C10.o2.gs	Method	GENSCAN
Start	8271	End	9283
GI	none	Score	.48
Exons	8271..8344, 9006..9153, 9155..9283		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29171	Strand	-
Start	9316	End	14070
Name	OJ991011_14.0207.C10.o3.np	Method	AAT/NAP
Start	9316	End	12407
GI	5922620	Score	352
Exons	9316..9446, 10824..10907, 10946..11302, 12197..12407		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29171	Strand	-
Start	9316	End	14070
Name	OJ991011_14.0207.C10.o3.gs	Method	GENSCAN
Start	10674	End	11641
GI	none	Score	.64
Exons	10674..10833, 10939..11323, 11344..11641		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29171	Strand	-
Start	9316	End	14070
Name	OJ991011_14.0207.C10.o4.gs	Method	GENSCAN
Start	12019	End	14070
GI	none	Score	.48
Exons	12019..12083, 12168..12192, 12238..12432, 12456..12539, 12691..12796, 13503..13609, 14038..14070		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29171	Strand	-
Start	9316	End	14070
Name	OJ991011_14.0207.C10.o4.gp	Method	AAT/GAP
Start	12453	End	12897
GI	LIB3479-006-Q6-K1-B11	Score	627
Exons	12453..12897		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29172	Strand	-
Start	22114	End	22535

Name	OJ991011_14.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	5802	End	6138
GI	none	Score	66
Exons	5802..5864, 5803..5880, 5815..5865, 5893..6048, 5895..6047, 6055..6138, 6068..6115		

Seq. No.	13710	Seq. ID	OJ991011_14.0207.C10
Gene No.	29172	Strand	-
Start	22114	End	22535
Name	OJ991011_14.0207.C10.o6.gs	Method	GENSCAN
Start	22114	End	22535
GI	none	Score	.84
Exons	22114..22160, 22413..22535		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29173	Strand	+
Start	2140	End	8511
Name	OJ991011_14.0207.C11.o1.gp	Method	AAT/GAP
Start	2140	End	8511
GI	14_1.R1084	Score	2432
Exons	2140..2448, 4865..4943, 6278..6342, 6492..6591, 6967..7008, 7145..7186, 7698..7861, 8017..8511		
GI Descrip.	'5295984/dbj|BAA81883.1| 1.0e-105 (AB003325) MADS box-like protein [Oryza sativa]'		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29173	Strand	+
Start	2140	End	8511
Name	OJ991011_14.0207.C11.o1.gs	Method	GENSCAN
Start	2264	End	8216
GI	none	Score	.54
Exons	2264..2600, 3965..4124, 4865..4943, 5637..5723, 6492..6591, 7121..7186, 7663..7861, 8017..8086, 8145..8216		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29173	Strand	+
Start	2140	End	8511
Name	OJ991011_14.0207.C11.o1.np	Method	AAT/NAP
Start	2264	End	8140
GI	5295984	Score	1140
Exons	2264..2448, 4865..4943, 6278..6342, 6492..6591, 6967..7008, 7145..7186, 7698..7861, 8017..8140		
GI Descrip.	(AB003325) MADS box-like protein [Oryza sativa]		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29174	Strand	+
Start	16466	End	21505
Name	OJ991011_14.0207.C11.o4.gs	Method	GENSCAN
Start	16466	End	21505
GI	none	Score	.44
Exons	16466..16566, 16658..16856, 16993..17108, 18858..18960, 19551..19694, 20540..20635, 20773..21046, 21396..21505		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29174	Strand	+
Start	16466	End	21505
Name	OJ991011_14.0207.C11.o2.gp	Method	AAT/GAP

Start	18973	End	19065
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	18973..19065		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29174	Strand	+
Start	16466	End	21505
Name	OJ991011_14.0207.C11.o3.gp	Method	AAT/GAP
Start	19107	End	19211
GI	4879971	Score	134
Exons	19107..19211		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29174	Strand	+
Start	16466	End	21505
Name	OJ991011_14.0207.C11.o4.np	Method	AAT/NAP
Start	19584	End	21060
GI	2829898	Score	384
Exons	19584..19694, 20540..20635, 20773..21060		
GI Descrip.	(AC002311) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29175	Strand	+
Start	22157	End	22560
Name	OJ991011_14.0207.C11.o5.gs	Method	GENSCAN
Start	22157	End	22560
GI	none	Score	.55
Exons	22157..22382, 22493..22560		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29176	Strand	-
Start	11273	End	12352
Name	OJ991011_14.0207.C11.o2.gs	Method	GENSCAN
Start	11273	End	12322
GI	none	Score	.78
Exons	11273..12322		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29176	Strand	-
Start	11273	End	12352
Name	OJ991011_14.0207.C11.o2.np	Method	AAT/NAP
Start	11285	End	12352
GI	2181186	Score	824
Exons	11285..12352		
GI Descrip.	(X97323) outward rectifying potassium channel KCO1 [Arabidopsis thaliana] gi|2230761|emb|CAA69158| (Y07825) kco1 [Arabidopsis thaliana]		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o3.tm	Method	TBLASTX:Maize
Start	2254	End	2479
GI	none	Score	281

Exons	2254..2454, 2279..2479		
Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o3.ts	Method	TBLASTX:Soybean
Start	2260	End	6343
GI	none	Score	255
Exons	2260..2445, 2276..2446, 4866..4943, 6262..6330, 6275..6343		
Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o4.tc	Method	TBLASTX:Cress
Start	2263	End	4931
GI	none	Score	256
Exons	2263..2445, 2276..2446, 4866..4931		
Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o2.tw	Method	TBLASTX:Wheat
Start	2276	End	6590
GI	none	Score	257
Exons	2276..2446, 2278..2448, 4866..4943, 4866..4943, 4867..4944, 4898..4948, 6275..6343, 6276..6353, 6277..6336, 6489..6590, 6495..6590		
Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o1.tc	Method	TBLASTX:Cress
Start	11300	End	12136
GI	none	Score	146
Exons	11300..11722, 11490..11723, 11519..11704, 11834..12136, 11856..12086		
Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o1.tm	Method	TBLASTX:Maize
Start	11306	End	12028
GI	none	Score	193
Exons	11306..11824, 11490..11828, 11834..11992, 11835..11990, 11978..12028		
Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o2.ts	Method	TBLASTX:Soybean
Start	11384	End	11626
GI	none	Score	68
Exons	11384..11626, 11511..11621		
Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460

Name	OJ991011_14.0207.C11.o3.gs	Method	GENSCAN
Start	13260	End	15424
GI	none	Score	.4
Exons	13260..13425, 14443..14954, 15059..15424		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o2.tc	Method	TBLASTX:Cress
Start	14406	End	15343
GI	none	Score	79
Exons	14406..14450, 14457..14525, 14458..14526, 14607..14774, 14608..14754, 14823..14891, 14895..15002, 14944..15012, 15002..15067, 15002..15067, 15137..15211, 15221..15343, 15237..15335		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o1.ts	Method	TBLASTX:Soybean
Start	14409	End	15358
GI	none	Score	91
Exons	14409..14450, 14457..14525, 14568..14750, 14823..14900, 14904..14999, 15014..15067, 15149..15358, 15237..15356		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o2.tm	Method	TBLASTX:Maize
Start	14409	End	15435
GI	none	Score	38
Exons	14409..14453, 14413..14448, 14457..14525, 14467..14529, 14568..14606, 14613..14747, 14641..14694, 14823..14909, 14904..14999, 14944..15000, 14999..15088, 15005..15082, 15140..15247, 15212..15325, 15249..15323, 15258..15362, 15370..15435		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o3.np	Method	AAT/NAP
Start	14409	End	15460
GI	2224810	Score	784
Exons	14409..15460		
GI Descrip.	(Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29177	Strand	-
Start	13260	End	15460
Name	OJ991011_14.0207.C11.o1.tw	Method	TBLASTX:Wheat
Start	14475	End	15343
GI	none	Score	73
Exons	14475..14525, 14568..14603, 14826..14897, 14889..14999, 14913..15002, 15014..15067, 15146..15343		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29178	Strand	

Start	19554	End	21048
Name	OJ991011_14.0207.C11.o3.tc	Method	TBLASTX:Cress
Start	19554	End	21048
GI	none	Score	97
Exons	19554..19694, 20534..20638, 20776..21048, 20782..20871, 20811..21047, 20953..21048		

Seq. No.	13711	Seq. ID	OJ991011_14.0207.C11
Gene No.	29178	Strand	
Start	19554	End	21048
Name	OJ991011_14.0207.C11.o4.tm	Method	TBLASTX:Maize
Start	19560	End	21045
GI	none	Score	120
Exons	19560..19685, 19583..19675, 20528..20635, 20764..20865, 20771..20821, 20773..20868, 20854..21039, 20869..21045, 20901..21044		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o2.tm	Method	TBLASTX:Maize
Start	1334	End	2192
GI	none	Score	38
Exons	1334..1384, 1345..1401, 1429..1578, 1430..1582, 1431..1583, 1697..1801, 1733..1801, 1914..2012, 1916..2014, 1916..2014, 1917..2015, 1993..2184, 2000..2191, 2001..2192, 2002..2190		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o1.gp	Method	AAT/GAP
Start	1392	End	2173
GI	uC-osflcyp120e06b1	Score	1019
Exons	1392..1582, 1700..1795, 1919..2173		
GI Descrip.	'2829898 3.0e-35 (AC002311) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o1.gs	Method	GENSCAN
Start	1446	End	7022
GI	none	Score	.76
Exons	1446..1582, 1664..1795, 1919..2153, 2770..2870, 3134..3337, 3422..3539, 3723..3804, 3912..3999, 4113..4271, 4998..5171, 5458..5589, 6179..6244, 6716..6780, 6931..7022		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o2.ts	Method	TBLASTX:Soybean
Start	1462	End	2083
GI	none	Score	123
Exons	1462..1563, 1469..1582, 1697..1777, 1698..1751, 1733..1795, 1908..1988, 1913..2080, 1913..2083		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12

Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o2.tc	Method	TBLASTX:Cress
Start	1471	End	2194
GI	none	Score	124
Exons	1471..1581, 1472..1582, 1733..1798, 1922..2194, 1922..2146, 2029..2193		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o1.np	Method	AAT/NAP
Start	1472	End	2206
GI	5902395	Score	400
Exons	1472..1582, 1700..1795, 1919..2206		
GI Descrip.	(AC008148) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o2.np	Method	AAT/NAP
Start	3155	End	7397
GI	6175148	Score	1575
Exons	3155..3337, 3422..3539, 3723..3804, 3912..3999, 4113..4271, 4998..5171, 5458..5589, 6179..6244, 6716..6780, 6931..7022, 7114..7397		
GI Descrip.	(AC010796) putative alanine aminotransferase [Arabidopsis thaliana] gi|6453899|gb|AAF09082.1|AC011663_18 (AC011663) putative alanine aminotransferase [Arabidopsis thaliana]		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o1.tm	Method	TBLASTX:Maize
Start	3161	End	3961
GI	none	Score	307
Exons	3161..3340, 3205..3339, 3419..3541, 3443..3541, 3720..3794, 3721..3819, 3722..3802, 3898..3960, 3900..3959, 3904..3960, 3911..3961		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o1.ts	Method	TBLASTX:Soybean
Start	3164	End	7208
GI	none	Score	281
Exons	3164..3340, 3211..3339, 3421..3540, 3443..3541, 3721..3819, 3722..3802, 3726..3803, 3885..3998, 3904..4002, 3905..4003, 3909..3998, 4112..4276, 4113..4283, 4997..5197, 4998..5192, 5455..5595, 5457..5585, 6174..6230, 6176..6247, 6178..6240, 6716..6778, 6928..7029, 6929..7024, 6950..7033, 7109..7207, 7113..7208		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o1.tc	Method	TBLASTX:Cress

Start	3263	End	6255
GI	none	Score	113
Exons	3263..3340, 3265..3351, 3421..3540, 3443..3541, 3719..3802, 3721..3819, 3722..3802, 3885..3998, 3898..3999, 3904..4002, 4112..4276, 4113..4283, 4997..5173, 4998..5183, 5404..5493, 5485..5595, 5487..5591, 6176..6253, 6181..6255		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o2.gp	Method	AAT/GAP
Start	3959	End	7207
GI	1453_1.R1084	Score	1453
Exons	3959..3999, 4113..4271, 4998..5171, 5458..5589, 6179..6244, 6716..6780, 6931..7022, 7114..7207		
GI Descrip.	'1353352 1.0e-111 (U31975) alanine aminotransferase [Chlamydomonas reinhardtii]'		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o3.tm	Method	TBLASTX:Maize
Start	4111	End	7208
GI	none	Score	106
Exons	4111..4272, 4112..4186, 4112..4273, 4113..4274, 4860..4916, 4997..5197, 4998..5192, 5455..5595, 5457..5585, 6165..6245, 6176..6247, 6178..6255, 6178..6243, 6715..6780, 6716..6778, 6716..6784, 6718..6780, 6928..7023, 6928..7029, 6929..7024, 6929..7042, 6960..7043, 7109..7207, 7112..7207, 7113..7208		

Seq. No.	13712	Seq. ID	OJ991011_14.0207.C12
Gene No.	29179	Strand	+
Start	1392	End	7397
Name	OJ991011_14.0207.C12.o3.tc	Method	TBLASTX:Cress
Start	6715	End	7208
GI	none	Score	91
Exons	6715..6780, 6716..6778, 6923..7033, 6928..7077, 6929..7024, 7113..7208, 7119..7202		

Seq. No.	13713	Seq. ID	OJ991011_14.0207.C13
Gene No.	29180	Strand	-
Start	1	End	261
Name	OJ991011_14.0207.C13.o1.np	Method	AAT/NAP
Start	1	End	228
GI	1199778	Score	103
Exons	1..228		
GI Descrip.	(D83225) peroxidase [Populus nigra]		

Seq. No.	13713	Seq. ID	OJ991011_14.0207.C13
Gene No.	29180	Strand	-
Start	1	End	261
Name	OJ991011_14.0207.C13.o1.gs	Method	GENSCAN
Start	17	End	261
GI	none	Score	1
Exons	17..261		

Seq. No.	13714	Seq. ID	OJ991011_14.0207.C15

Gene No.	29181	Strand	-
Start	48	End	579
Name	OJ991011_14.0207.C15.o1.gs	Method	GENSCAN
Start	48	End	548
GI	none	Score	.49
Exons	48..548		

Seq. No.	13714	Seq. ID	OJ991011_14.0207.C15
Gene No.	29181	Strand	-
Start	48	End	579
Name	OJ991011_14.0207.C15.o1.tc	Method	TBLASTX:Cress
Start	81	End	503
GI	none	Score	100
Exons	81..170, 228..347, 387..503		

Seq. No.	13714	Seq. ID	OJ991011_14.0207.C15
Gene No.	29181	Strand	-
Start	48	End	579
Name	OJ991011_14.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	81	End	504
GI	none	Score	49
Exons	81..161, 219..377, 298..342, 387..503, 391..504		

Seq. No.	13714	Seq. ID	OJ991011_14.0207.C15
Gene No.	29181	Strand	-
Start	48	End	579
Name	OJ991011_14.0207.C15.o1.np	Method	AAT/NAP
Start	150	End	579
GI	4884524	Score	640
Exons	150..579		
GI Descrip.	(AB027427) class III chitinase homologue (OsChib3H-h) [Oryza sativa]		

Seq. No.	13714	Seq. ID	OJ991011_14.0207.C15
Gene No.	29181	Strand	-
Start	48	End	579
Name	OJ991011_14.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	228	End	500
GI	none	Score	132
Exons	228..290, 291..398, 295..387, 390..500, 391..498		

Seq. No.	13714	Seq. ID	OJ991011_14.0207.C15
Gene No.	29181	Strand	-
Start	48	End	579
Name	OJ991011_14.0207.C15.o1.tw	Method	TBLASTX:Wheat
Start	291	End	500
GI	none	Score	110
Exons	291..392, 295..378, 396..500, 397..495		

Seq. No.	13715	Seq. ID	OJ991011_14.0207.C16
Gene No.	29182	Strand	+
Start	84	End	292
Name	OJ991011_14.0207.C16.o1.gs	Method	GENSCAN
Start	84	End	292
GI	none	Score	.77
Exons	84..292		

Seq. No.	13716	Seq. ID	OJ991021_18.0211.C2
Gene No.	29183	Strand	-
Start	94	End	221
Name	OJ991021_18.0211.C2.o1.gs	Method	GENSCAN
Start	94	End	221
GI	none	Score	.84
Exons	94..221		

Seq. No.	13717	Seq. ID	OJ991021_18.0211.C3
Gene No.	29184	Strand	+
Start	167	End	293
Name	OJ991021_18.0211.C3.o1.gs	Method	GENSCAN
Start	167	End	293
GI	none	Score	.76
Exons	167..293		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29185	Strand	+
Start	1	End	3812
Name	OJ991021_18.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	2311
GI	6721542	Score	917
Exons	1..33, 530..568, 976..1132, 1236..1311, 1474..1672, 1782..1862, 2222..2311		
GI Descrip.	(AP001073) ESTs AU056916(S20978),AU056915(S20978) correspond to a region of the predicted gene.; Similar to Homo sapiens choroidermia, Rab geranylgeranyltransferase component A (X78121) [Oryza sativa]		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29185	Strand	+
Start	1	End	3812
Name	OJ991021_18.0211.C4.o1.gs	Method	GENSCAN
Start	530	End	2314
GI	none	Score	.85
Exons	530..568, 976..1132, 1236..1311, 1474..1672, 1782..1862, 2222..2314		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29185	Strand	+
Start	1	End	3812
Name	OJ991021_18.0211.C4.o1.gp	Method	AAT/GAP
Start	903	End	3812
GI	24990_1.R1084	Score	2174
Exons	903..1132, 1236..1311, 1474..1672, 1782..1862, 2222..2330, 3341..3812		
GI Descrip.	'3059061/emb|CAA18548| 6.0e-09 (AL022401) dJ93L7.1 (RAB Escort protein 1 (REP-1, RAB proteins geranylgeranyltransferase component A 1, Choroideraemia protein, Tapetochoroidal Dystrophy (TCD) protein) [Homo sapiens]'		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29186	Strand	+
Start	4928	End	8999
Name	OJ991021_18.0211.C4.o2.gp	Method	AAT/GAP
Start	4790	End	5834
GI	none	Score	956

Exons	4790..5196, 5723..5834		
Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29186	Strand	+
Start	4928	End	8999
Name	OJ991021_18.0211.C4.o2.gs	Method	GENSCAN
Start	4928	End	8794
GI	none	Score	.91
Exons	4928..5196, 5401..5578, 5723..5902, 6713..6793, 6877..7040, 7558..7694, 8175..8290, 8540..8794		
Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29186	Strand	+
Start	4928	End	8999
Name	OJ991021_18.0211.C4.o2.np	Method	AAT/NAP
Start	4928	End	8791
GI	6721541	Score	1844
Exons	4928..5197, 5558..5578, 5723..5902, 6713..6793, 6877..7040, 7558..7694, 8175..8290, 8540..8791		
GI Descrip.	(AP001073) ESTs C97134(C52296),C97133(C52296) correspond to a region of the predicted gene.; Similar to Putative hydroxymethylglutaryl-CoA lyase precursor. (AC005168) [Oryza sativa]		
Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29186	Strand	+
Start	4928	End	8999
Name	OJ991021_18.0211.C4.o3.gp	Method	AAT/GAP
Start	8593	End	8999
GI	47684_1.R1084	Score	749
Exons	8593..8999		
GI Descrip.	'3426048 1.0e-15 (AC005168) putative hydroxymethylglutaryl-CoA lyase precursor [Arabidopsis thaliana]'		
Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29187	Strand	-
Start	9531	End	12695
Name	OJ991021_18.0211.C4.o3.gs	Method	GENSCAN
Start	9531	End	12695
GI	none	Score	.86
Exons	9531..9610, 10363..10435, 11808..11860, 12082..12187, 12276..12695		
Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29187	Strand	-
Start	9531	End	12695
Name	OJ991021_18.0211.C4.o3.np	Method	AAT/NAP
Start	9534	End	12695
GI	6630703	Score	1101
Exons	9534..9610, 10363..10435, 11808..11860, 12082..12187, 12276..12695		
GI Descrip.	(AP000969) Similar to Arabidopsis thaliana chromosome II BAC F12C20 genomic sequence, unknown protein. (AC005168) [Oryza sativa] gi|6721540|dbj|BAA89570.1| (AP001073) Similar to Arabidopsis thaliana chromosome II BAC F12C20 genomic sequence,unknown protein. (AC005168) [Oryza sativa]		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	5475	End	6903
GI	none	Score	74
Exons	5475..5576, 5476..5568, 5481..5594, 5675..5740, 5720..5905, 5722..5907, 5722..5904, 5727..5909, 6712..6792, 6713..6793, 6874..6903		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	5717	End	8731
GI	none	Score	253
Exons	5717..5905, 5720..5893, 5737..5898, 6712..6789, 6713..6793, 6856..7041, 6955..7041, 7556..7687, 7558..7695, 7559..7705, 8170..8286, 8171..8308, 8183..8299, 8536..8730, 8537..8731		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o4.tm	Method	TBLASTX:Maize
Start	5747	End	7657
GI	none	Score	237
Exons	5747..5905, 5749..5898, 5751..5909, 6712..6792, 6713..6793, 6715..6795, 6874..7047, 6955..7041, 7556..7657, 7558..7623, 7559..7657		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	8525	End	8767
GI	none	Score	327
Exons	8525..8719, 8537..8767, 8539..8754		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	8552	End	8779
GI	none	Score	329
Exons	8552..8779, 8554..8775		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o3.tm	Method	TBLASTX:Maize
Start	9534	End	12446
GI	none	Score	68
Exons	9534..9617, 9538..9612, 10361..10438, 10362..10430, 10363..10449, 11303..11437, 11305..11436, 11320..11439, 11803..11859, 11804..11860, 11811..11882, 11811..11861, 12062..12190, 12078..12188, 12079..12189, 12081..12194, 12268..12351, 12270..12353, 12273..12425, 12384..12446,		

12384..12425

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o4.gp	Method	AAT/GAP
Start	13352	End	15628
GI	none	Score	1869
Exons	13352..13997, 14544..14663, 15299..15400, 15492..15628		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	13518	End	17020
GI	none	Score	71
Exons	13518..13565, 13812..13997, 13840..13983, 14540..14659, 14545..14661, 14549..14659, 15296..15406, 15297..15401, 15299..15403, 15442..15546, 15446..15637, 15474..15641, 15474..15647, 15475..15666, 15601..15666, 16352..16423, 16917..17015, 16918..17016, 16919..17020		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o4.gs	Method	GENSCAN
Start	13830	End	18258
GI	none	Score	.98
Exons	13830..13997, 14544..14663, 15299..15400, 15492..15646, 16356..16422, 16920..17060, 18004..18104, 18234..18258		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o4.np	Method	AAT/NAP
Start	13833	End	18258
GI	6630702	Score	1236
Exons	13833..13997, 14544..14663, 15299..15400, 15492..15646, 16356..16422, 16920..17060, 18004..18104, 18234..18258		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721539|dbj|BAA89569.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	15272	End	17072
GI	none	Score	81
Exons	15272..15403, 15300..15401, 15469..15519, 15474..15617, 15492..15617, 15496..15618, 15500..15619, 16917..17072, 16918..17049, 16923..17057		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o2.tc	Method	TBLASTX:Cress

Start	15299	End	15626
GI	none	Score	76
Exons	15299..15403, 15300..15401, 15474..15626, 15499..15618, 15507..15626		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o5.gp	Method	AAT/GAP
Start	16892	End	18474
GI	none	Score	905
Exons	16892..17060, 18004..18104, 18234..18474		

Seq. No.	13718	Seq. ID	OJ991021_18.0211.C4
Gene No.	29188	Strand	-
Start	13830	End	18474
Name	OJ991021_18.0211.C4.o3.tc	Method	TBLASTX:Cress
Start	16917	End	17072
GI	none	Score	106
Exons	16917..17072, 16918..17058		

Seq. No.	13719	Seq. ID	OJ991021_18.0211.C5
Gene No.	29189	Strand	+
Start	554	End	4123
Name	OJ991021_18.0211.C5.o1.gs	Method	GENSCAN
Start	554	End	4123
GI	none	Score	.57
Exons	554..667, 1352..1568, 1670..1813, 2928..4123		

Seq. No.	13719	Seq. ID	OJ991021_18.0211.C5
Gene No.	29189	Strand	+
Start	554	End	4123
Name	OJ991021_18.0211.C5.o1.np	Method	AAT/NAP
Start	554	End	4120
GI	6630701	Score	2990
Exons	554..667, 1352..1568, 1670..1813, 1929..1951, 1983..2055, 2928..4120		
GI Descrip.	(AP000969) Similar to Arabidopsis thaliana chromosome II BAC F7D8 genomic sequence, hypothetical protein. (AC007019) [Oryza sativa] gi|6721538|dbj|BAA89568.1| (AP001073) Similar to Arabidopsis thaliana chromosome II BAC F7D8 genomic sequence,hypothetical protein. (AC007019) [Oryza sativa]		

Seq. No.	13719	Seq. ID	OJ991021_18.0211.C5
Gene No.	29190	Strand	-
Start	4964	End	6636
Name	OJ991021_18.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	3833	End	4126
GI	none	Score	114
Exons	3833..3952, 3992..4126, 3997..4119		

Seq. No.	13719	Seq. ID	OJ991021_18.0211.C5
Gene No.	29190	Strand	-
Start	4964	End	6636
Name	OJ991021_18.0211.C5.o2.gs	Method	GENSCAN
Start	4964	End	6555
GI	none	Score	.86

Exons	4964..5335, 5923..6039, 6178..6555		
Seq. No.	13719	Seq. ID	OJ991021_18.0211.C5
Gene No.	29190	Strand	-
Start	4964	End	6636
Name	OJ991021_18.0211.C5.o2.ts	Method	TBLASTX:Soybean
Start	4964	End	5282
GI	none	Score	101
Exons	4964..5077, 4983..5081, 5123..5281, 5124..5282		
Seq. No.	13719	Seq. ID	OJ991021_18.0211.C5
Gene No.	29190	Strand	-
Start	4964	End	6636
Name	OJ991021_18.0211.C5.o2.np	Method	AAT/NAP
Start	4967	End	6636
GI	6630700	Score	1373
Exons	4967..5335, 5923..6039, 6178..6456, 6566..6636		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		
Seq. No.	13719	Seq. ID	OJ991021_18.0211.C5
Gene No.	29190	Strand	-
Start	4964	End	6636
Name	OJ991021_18.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	6298	End	6592
GI	none	Score	166
Exons	6298..6456, 6314..6454, 6370..6456, 6493..6591, 6518..6592		
Seq. No.	13720	Seq. ID	OJ991021_18.0211.C6
Gene No.	29191	Strand	+
Start	8	End	149
Name	OJ991021_18.0211.C6.o1.gs	Method	GENSCAN
Start	8	End	149
GI	none	Score	.68
Exons	8..53, 55..149		
Seq. No.	13720	Seq. ID	OJ991021_18.0211.C6
Gene No.	29192	Strand	-
Start	1	End	4990
Name	OJ991021_18.0211.C6.o1.np	Method	AAT/NAP
Start	1	End	4990
GI	6630700	Score	2097
Exons	1..188, 1542..1757, 2162..2294, 4242..4990		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		
Seq. No.	13720	Seq. ID	OJ991021_18.0211.C6
Gene No.	29192	Strand	-
Start	1	End	4990
Name	OJ991021_18.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	112	End	2287
GI	none	Score	108
Exons	112..189, 114..194, 115..192, 1540..1752, 1542..1760,		

2159..2287, 2163..2285, 2164..2286

Seq. No.	13720	Seq. ID	OJ991021_18.0211.C6
Gene No.	29192	Strand	-
Start	1	End	4990
Name	OJ991021_18.0211.C6.o2.gs	Method	GENSCAN
Start	1453	End	4876
GI	none	Score	.48
Exons	1453..1619, 1756..1888, 2162..2294, 4242..4876		

Seq. No.	13721	Seq. ID	OJ991021_18.0211.C7
Gene No.	29193	Strand	+
Start	2217	End	2558
Name	OJ991021_18.0211.C7.o2.np	Method	AAT/NAP
Start	2217	End	2558
GI	6630699	Score	616
Exons	2217..2558		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13721	Seq. ID	OJ991021_18.0211.C7
Gene No.	29194	Strand	-
Start	1	End	1202
Name	OJ991021_18.0211.C7.o1.np	Method	AAT/NAP
Start	1	End	1202
GI	6630700	Score	1564
Exons	1..455, 700..1202		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		

Seq. No.	13721	Seq. ID	OJ991021_18.0211.C7
Gene No.	29194	Strand	-
Start	1	End	1202
Name	OJ991021_18.0211.C7.o1.gs	Method	GENSCAN
Start	17	End	886
GI	none	Score	.66
Exons	17..455, 700..886		

Seq. No.	13721	Seq. ID	OJ991021_18.0211.C7
Gene No.	29195	Strand	-
Start	2169	End	2453
Name	OJ991021_18.0211.C7.o2.gs	Method	GENSCAN
Start	2169	End	2453
GI	none	Score	.97
Exons	2169..2453		

Seq. No.	13721	Seq. ID	OJ991021_18.0211.C7
Gene No.	29196	Strand	-
Start	2696	End	2819
Name	OJ991021_18.0211.C7.o3.np	Method	AAT/NAP
Start	2696	End	2819
GI	5922620	Score	110
Exons	2696..2819		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29197	Strand	+
Start	3195	End	5538
Name	OJ991021_18.0211.C8.o1.gs	Method	GENSCAN
Start	3195	End	5538
GI	none	Score	.43
Exons	3195..3252, 3303..3451, 4222..4288, 5351..5538		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29198	Strand	+
Start	5608	End	5942
Name	OJ991021_18.0211.C8.o2.gp	Method	AAT/GAP
Start	5608	End	5942
GI	2800010	Score	570
Exons	5608..5942		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29199	Strand	-
Start	1475	End	1558
Name	OJ991021_18.0211.C8.o1.gp	Method	AAT/GAP
Start	1475	End	1558
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	1475..1558		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o2.gs	Method	GENSCAN
Start	5978	End	15682
GI	none	Score	.88
Exons	5978..6046, 6133..6263, 7209..7314, 7832..7948, 8012..8148, 9976..10090, 10295..10423, 10534..10632, 10848..10989, 11781..11851, 12707..12814, 13608..13684, 13768..13918, 14225..14326, 14709..14843, 15391..15504, 15602..15682		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o1.np	Method	AAT/NAP
Start	5981	End	15731
GI	6630698	Score	2687
Exons	5981..6046, 6133..6263, 7209..7314, 7403..7456, 7832..7948, 8012..8148, 9714..9749, 9976..10090, 10295..10423, 10534..10632, 10848..10989, 11781..11851, 12707..12814, 13608..13684, 13768..13918, 14225..14326, 14709..14765, 15391..15504, 15602..15731		
GI Descrip.	(AP000969) Similar to DNA gyrase subunit B. (P05652) [Oryza sativa] gi|6721535|dbj|BAA89565.1| (AP001073) Similar to DNA gyrase subunit B. (P05652) [Oryza sativa]		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o4.ts	Method	TBLASTX:Soybean
Start	6130	End	7293
GI	none	Score	137
Exons	6130..6264, 6131..6268, 7207..7293		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	6137	End	10415
GI	none	Score	148
Exons	6137..6268, 6139..6264, 7207..7326, 7207..7314, 7209..7337, 7399..7455, 7400..7459, 7832..7951, 7832..7951, 8010..8126, 8012..8128, 8013..8126, 9682..9753, 9686..9754, 9944..10054, 9977..10051, 9978..10064, 10295..10414, 10295..10414, 10296..10415		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o5.ts	Method	TBLASTX:Soybean
Start	7901	End	9751
GI	none	Score	36
Exons	7901..7951, 7910..7951, 8010..8126, 8012..8128, 8013..8126, 8026..8133, 9681..9749, 9682..9750, 9692..9751		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	10290	End	10629
GI	none	Score	140
Exons	10290..10424, 10295..10429, 10296..10424, 10529..10627, 10533..10628, 10534..10629		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o3.gp	Method	AAT/GAP
Start	10298	End	11847
GI	LIB3432-002-P1-K1-D9	Score	715
Exons	10298..10423, 10534..10632, 10848..10989, 11781..11847		
GI Descrip.	'6056198/gb|AAF02815.1|AC009400_11 4.0e-61 (AC009400) putative DNA gyrase subunit B [Arabidopsis thaliana]'		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	10529	End	13940
GI	none	Score	139
Exons	10529..10633, 10534..10635, 10534..10632, 10843..10986, 10848..10985, 11780..11851, 11781..11852, 12707..12775,		

12707..12793, 12708..12791, 12709..12828, 12788..12835,
13444..13527, 13593..13685, 13604..13681, 13767..13940,
13772..13921

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	12698	End	14291
GI	none	Score	76
Exons	12698..12775, 12707..12796, 12708..12812, 13593..13685, 13594..13647, 13772..13921, 13773..13940, 14226..14291		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o3.ts	Method	TBLASTX:Soybean
Start	15381	End	15683
GI	none	Score	71
Exons	15381..15500, 15388..15504, 15391..15504, 15441..15506, 15573..15683, 15596..15667, 15601..15675		

Seq. No.	13722	Seq. ID	OJ991021_18.0211.C8
Gene No.	29200	Strand	-
Start	5978	End	15731
Name	OJ991021_18.0211.C8.o4.gp	Method	AAT/GAP
Start	15580	End	15682
GI	uC-osf1M202014c08b1	Score	148
Exons	15580..15682		
GI Descrip.	'6056198/gb|AAF02815.1|AC009400_11 1.0e-14 (AC009400) putative DNA gyrase subunit B [Arabidopsis thaliana]'		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29201	Strand	+
Start	2764	End	4565
Name	OJ991021_18.0211.C9.o1.np	Method	AAT/NAP
Start	2764	End	4565
GI	6630697	Score	991
Exons	2764..2906, 3025..3142, 3482..3700, 4452..4565		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29202	Strand	+
Start	14235	End	19642
Name	OJ991021_18.0211.C9.o3.gs	Method	GENSCAN
Start	14235	End	19497
GI	none	Score	.79
Exons	14235..14437, 14571..14650, 15494..15593, 15837..15877, 15906..16003, 16513..16573, 17127..17180, 17307..17347, 18152..18337, 18483..18570, 18974..19059, 19453..19497		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29202	Strand	+
Start	14235	End	19642
Name	OJ991021_18.0211.C9.o5.gp	Method	AAT/GAP
Start	14463	End	17886
GI	57439_1.R1084	Score	1190

Exons	14463..14650, 15837..15877, 16513..16573, 16714..16816, 16932..17034, 17127..17180, 17285..17347, 17681..17731, 17806..17886		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29202	Strand	+
Start	14235	End	19642
Name	OJ991021_18.0211.C9.o3.np	Method	AAT/NAP
Start	16725	End	19642
GI	6630695	Score	1291
Exons	16725..16816, 16932..17034, 17127..17180, 17285..17347, 17681..17730, 17806..17881, 18152..18337, 18483..18570, 18974..19059, 19150..19257, 19453..19642		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29202	Strand	+
Start	14235	End	19642
Name	OJ991021_18.0211.C9.o6.gp	Method	AAT/GAP
Start	19190	End	19497
GI	3760661	Score	212
Exons	19190..19257, 19453..19497		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29203	Strand	-
Start	335	End	838
Name	OJ991021_18.0211.C9.o1.gp	Method	AAT/GAP
Start	335	End	838
GI	uC-osf1M202014c08b1	Score	735
Exons	335..476, 589..838		
GI Descrip.	'6056198/gb|AAF02815.1|AC009400_11 1.0e-14 (AC009400) putative DNA gyrase subunit B [Arabidopsis thaliana]'		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29204	Strand	-
Start	5538	End	5826
Name	OJ991021_18.0211.C9.o2.gp	Method	AAT/GAP
Start	5538	End	5826
GI	426253	Score	514
Exons	5538..5826		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29205	Strand	-
Start	6581	End	10387
Name	OJ991021_18.0211.C9.o2.gs	Method	GENSCAN
Start	6581	End	10387
GI	none	Score	.83
Exons	6581..10387		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29205	Strand	-

Start	6581	End	10387
Name	OJ991021_18.0211.C9.o2.np	Method	AAT/NAP
Start	6584	End	10387
GI	6630696	Score	6690
Exons	6584..10387		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29205	Strand	-
Start	6581	End	10387
Name	OJ991021_18.0211.C9.o3.gp	Method	AAT/GAP
Start	9455	End	10345
GI	101595_1.R1084	Score	1463
Exons	9455..9529, 9645..10345		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o2.tw	Method	TBLASTX:Wheat
Start	6720	End	7195
GI	none	Score	410
Exons	6720..7106, 6722..7105, 7095..7190, 7121..7195, 7122..7190, 7135..7194		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o5.ts	Method	TBLASTX:Soybean
Start	6848	End	7189
GI	none	Score	96
Exons	6848..7057, 6927..7052, 7076..7189, 7086..7154		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o2.tm	Method	TBLASTX:Maize
Start	7052	End	7423
GI	none	Score	318
Exons	7052..7423, 7053..7400		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o4.ts	Method	TBLASTX:Soybean
Start	7199	End	7550
GI	none	Score	75
Exons	7199..7381, 7202..7390, 7203..7391, 7386..7550, 7391..7549		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o3.tw	Method	TBLASTX:Wheat
Start	7403	End	7948

GI	none	Score	72
Exons	7403..7609, 7604..7948, 7767..7931		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o4.tm	Method	TBLASTX:Maize
Start	7484	End	7949
GI	none	Score	56
Exons	7484..7948, 7644..7697, 7733..7813, 7818..7949		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	7619	End	8083
GI	5509260	Score	103
Exons	7619..8083, 7827..7988		
GI Descrip.	-		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	7730	End	7990
GI	none	Score	110
Exons	7730..7990, 7818..7988		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	8003	End	8750
GI	none	Score	120
Exons	8003..8185, 8003..8743, 8007..8192, 8253..8750, 8343..8750		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o2.ts	Method	TBLASTX:Soybean
Start	8408	End	8806
GI	none	Score	111
Exons	8408..8581, 8585..8806, 8589..8804		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o6.tm	Method	TBLASTX:Maize
Start	8594	End	9058
GI	none	Score	82
Exons	8594..9058, 8601..8819		

Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o5.tw	Method	TBLASTX:Wheat
Start	8751	End	8951

GI	none	Score	227
Exons	8751..8951, 8751..8948, 8753..8950		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o6.ts	Method	TBLASTX:Soybean
Start	8816	End	9196
GI	none	Score	88
Exons	8816..9064, 9047..9196		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	9170	End	9514
GI	none	Score	357
Exons	9170..9211, 9240..9512, 9240..9512, 9241..9513, 9242..9514		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o5.tm	Method	TBLASTX:Maize
Start	10037	End	10345
GI	none	Score	110
Exons	10037..10345, 10040..10216, 10102..10245, 10116..10298		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o4.tw	Method	TBLASTX:Wheat
Start	10096	End	10493
GI	none	Score	157
Exons	10096..10278, 10097..10381, 10116..10307, 10355..10486, 10358..10492, 10395..10493		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29206	Strand	-
Start	10964	End	11252
Name	OJ991021_18.0211.C9.o4.gp	Method	AAT/GAP
Start	10964	End	11252
GI	426253	Score	514
Exons	10964..11252		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9
Gene No.	29207	Strand	
Start	14544	End	19496
Name	OJ991021_18.0211.C9.o3.ts	Method	TBLASTX:Soybean
Start	14544	End	19266
GI	none	Score	76
Exons	14544..14600, 14545..14601, 14590..14631, 15842..15889, 16513..16575, 16713..16817, 16933..17034, 16935..17027, 17109..17183, 17123..17185, 17285..17353, 17296..17343, 18188..18340, 18480..18617, 18482..18586, 19149..19265, 19150..19266		
Seq. No.	13723	Seq. ID	OJ991021_18.0211.C9

Gene No.	29207	Strand	
Start	14544	End	19496
Name	OJ991021_18.0211.C9.o3.tm	Method	TBLASTX:Maize
Start	16705	End	19496
GI	none	Score	75
Exons	16705..16815, 16706..16816, 16713..16817, 16929..17033, 16933..17034, 16933..17034, 17124..17189, 17124..17171, 17126..17203, 17281..17343, 17284..17346, 17285..17347, 17285..17347, 17672..17731, 17678..17746, 17680..17736, 17803..17886, 17806..17883, 18140..18250, 18145..18249, 18227..18337, 18243..18332, 18247..18336, 18263..18337, 18437..18571, 18457..18561, 18480..18572, 18481..18573, 18485..18571, 18969..19058, 18988..19062, 19148..19204, 19150..19263, 19152..19304, 19419..19496, 19420..19494		

Seq. No.	13724	Seq. ID	OJ991021_18.0211.C10
Gene No.	29208	Strand	+
Start	1	End	1827
Name	OJ991021_18.0211.C10.o1.np	Method	AAT/NAP
Start	1	End	1714
GI	6630695	Score	205
Exons	1..32, 397..440, 1605..1714		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13724	Seq. ID	OJ991021_18.0211.C10
Gene No.	29208	Strand	+
Start	1	End	1827
Name	OJ991021_18.0211.C10.o1.gp	Method	AAT/GAP
Start	397	End	1827
GI	3760661	Score	446
Exons	397..440, 1605..1827		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	13724	Seq. ID	OJ991021_18.0211.C10
Gene No.	29209	Strand	+
Start	7171	End	7382
Name	OJ991021_18.0211.C10.o4.gp	Method	AAT/GAP
Start	7171	End	7382
GI	234_4.R1084	Score	141
Exons	7171..7196, 7275..7382		
GI Descrip.	'100665/pir||S22860 9.0e-80 calmodulin 2 (clone lambda DASH) - rice >gi_20190_emb_CAA78288_ (Z12828) calmodulin [Oryza sativa] >gi_310313 (L18914) calmodulin [Oryza sativa]'		

Seq. No.	13724	Seq. ID	OJ991021_18.0211.C10
Gene No.	29209	Strand	+
Start	7171	End	7382
Name	OJ991021_18.0211.C10.o3.gp	Method	AAT/GAP
Start	7175	End	7382
GI	LIB3434-008-P1-K1-G7	Score	310
Exons	7175..7382		
GI Descrip.	'100665/pir||S22860 4.0e-62 calmodulin 2 (clone lambda DASH) - rice >gi_20190_emb_CAA78288_ (Z12828) calmodulin [Oryza sativa] >gi_310313 (L18914) calmodulin [Oryza sativa]'		

Seq. No.	13724	Seq. ID	OJ991021_18.0211.C10
Gene No.	29210	Strand	+
Start	7307	End	7382
Name	OJ991021_18.0211.C10.o2.np	Method	AAT/NAP
Start	7307	End	7382
GI	100665	Score	99
Exons	7307..7382		
GI Descrip.	calmodulin 2 (clone lambda DASH) - rice gi|20190|emb|CAA78288| (Z12828) calmodulin [Oryza sativa] gi|310313 (L18914) calmodulin [Oryza sativa]		

Seq. No.	13724	Seq. ID	OJ991021_18.0211.C10
Gene No.	29211	Strand	-
Start	4063	End	4571
Name	OJ991021_18.0211.C10.o2.gp	Method	AAT/GAP
Start	4063	End	4571
GI	2799888	Score	907
Exons	4063..4571		

Seq. No.	13725	Seq. ID	OJ991021_18.0211.C11
Gene No.	29212	Strand	+
Start	23	End	1079
Name	OJ991021_18.0211.C11.o1.gs	Method	GENSCAN
Start	23	End	1079
GI	none	Score	.73
Exons	23..133, 291..415, 977..1079		

Seq. No.	13726	Seq. ID	OJ991021_18.0211.C12
Gene No.	29213	Strand	+
Start	1022	End	1079
Name	OJ991021_18.0211.C12.o1.gs	Method	GENSCAN
Start	1022	End	1079
GI	none	Score	.6
Exons	1022..1079		

Seq. No.	13726	Seq. ID	OJ991021_18.0211.C12
Gene No.	29214	Strand	+
Start	1893	End	2186
Name	OJ991021_18.0211.C12.o1.gp	Method	AAT/GAP
Start	1893	End	2186
GI	LIB3434-014-P1-K1-E2	Score	572
Exons	1893..2186		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	13726	Seq. ID	OJ991021_18.0211.C12
Gene No.	29215	Strand	-
Start	2041	End	2206
Name	OJ991021_18.0211.C12.o1.np	Method	AAT/NAP
Start	2041	End	2206
GI	6630693	Score	248
Exons	2041..2206		
GI Descrip.	(AP000969) Similar to CRINKLY4 precursor. (U67422) [Oryza sativa]		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13

Gene No.	29216	Strand	+
Start	49	End	1794
Name	OJ991021_18.0211.C13.o1.gs	Method	GENSCAN
Start	49	End	1794
GI	none	Score	.6
Exons	49..403, 755..1024, 1601..1794		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29217	Strand	+
Start	5992	End	13759
Name	OJ991021_18.0211.C13.o2.np	Method	AAT/NAP
Start	5992	End	9855
GI	6630692	Score	1592
Exons	5992..6085, 6718..6848, 7691..7795, 7939..8067, 8538..8702, 8899..9154, 9755..9855		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29217	Strand	+
Start	5992	End	13759
Name	OJ991021_18.0211.C13.o3.np	Method	AAT/NAP
Start	8481	End	12916
GI	6630557	Score	549
Exons	8481..8738, 10704..11533, 12614..12916		
GI Descrip.	(AC011708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29217	Strand	+
Start	5992	End	13759
Name	OJ991021_18.0211.C13.o4.gs	Method	GENSCAN
Start	10478	End	13759
GI	none	Score	.79
Exons	10478..11533, 12614..12892, 13628..13759		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29218	Strand	+
Start	16034	End	16387
Name	OJ991021_18.0211.C13.o5.np	Method	AAT/NAP
Start	16034	End	16387
GI	5091602	Score	369
Exons	16034..16387		
GI Descrip.	(AC007858) 10A19I.6 [Oryza sativa]		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29219	Strand	-
Start	1	End	129
Name	OJ991021_18.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	129
GI	6630693	Score	226
Exons	1..129		
GI Descrip.	(AP000969) Similar to CRINKLY4 precursor. (U67422) [Oryza sativa]		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29220	Strand	-
Start	2910	End	4785
Name	OJ991021_18.0211.C13.o2.gs	Method	GENSCAN

Start	2910	End	4785
GI	none	Score	.67
Exons	2910..2999, 4439..4529, 4778..4785		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29221	Strand	-
Start	13634	End	16298
Name	OJ991021_18.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	11131	End	12691
GI	none	Score	141
Exons	11131..11346, 11183..11350, 11395..11526, 11402..11533, 12595..12687, 12596..12691		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29221	Strand	-
Start	13634	End	16298
Name	OJ991021_18.0211.C13.o1.tc	Method	TBLASTX:Cress
Start	11192	End	11533
GI	none	Score	175
Exons	11192..11377, 11224..11346, 11405..11533, 11416..11526		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29221	Strand	-
Start	13634	End	16298
Name	OJ991021_18.0211.C13.o1.ts	Method	TBLASTX:Soybean
Start	11244	End	12898
GI	none	Score	151
Exons	11244..11276, 11245..11403, 11246..11383, 11305..11532, 11351..11533, 12595..12663, 12596..12676, 12716..12781, 12716..12781, 12796..12897, 12797..12898		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29221	Strand	-
Start	13634	End	16298
Name	OJ991021_18.0211.C13.o2.tc	Method	TBLASTX:Cress
Start	12622	End	12900
GI	none	Score	78
Exons	12622..12687, 12623..12667, 12719..12781, 12719..12784, 12796..12897, 12797..12889, 12805..12900		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29221	Strand	-
Start	13634	End	16298
Name	OJ991021_18.0211.C13.o4.np	Method	AAT/NAP
Start	13634	End	16298
GI	5091602	Score	70
Exons	13634..13672, 15500..15676, 16221..16298		
GI Descrip.	(AC007858) 10A19I.6 [Oryza sativa]		

Seq. No.	13727	Seq. ID	OJ991021_18.0211.C13
Gene No.	29221	Strand	-
Start	13634	End	16298
Name	OJ991021_18.0211.C13.o5.gs	Method	GENSCAN
Start	15545	End	15968
GI	none	Score	.84
Exons	15545..15891, 15920..15968		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29222	Strand	+
Start	651	End	847
Name	OJ991021_18.0211.C14.o1.gs	Method	GENSCAN
Start	651	End	847
GI	none	Score	.53
Exons	651..847		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29223	Strand	+
Start	810	End	2431
Name	OJ991021_18.0211.C14.o1.np	Method	AAT/NAP
Start	810	End	2431
GI	6630691	Score	748
Exons	810..876, 1321..1547, 2285..2431		
GI Descrip.	(AP000969) ESTs AU082078(C53435), C28061(C53848) correspond to a region of the predicted gene.; Similar to PGP224. (AF049928) [Oryza sativa]		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29224	Strand	-
Start	2389	End	2785
Name	OJ991021_18.0211.C14.o1.gp	Method	AAT/GAP
Start	2389	End	2785
GI	none	Score	717
Exons	2389..2785		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29225	Strand	-
Start	3067	End	4260
Name	OJ991021_18.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	655	End	1476
GI	none	Score	119
Exons	655..693, 656..751, 714..815, 728..823, 769..873, 987..1016, 1321..1458, 1322..1474, 1325..1459, 1326..1475, 1345..1476		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29225	Strand	-
Start	3067	End	4260
Name	OJ991021_18.0211.C14.o1.ts	Method	TBLASTX:Soybean
Start	3065	End	3993
GI	none	Score	94
Exons	3065..3163, 3070..3165, 3076..3165, 3169..3288, 3281..3412, 3643..3993, 3644..3985		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29225	Strand	-
Start	3067	End	4260
Name	OJ991021_18.0211.C14.o2.np	Method	AAT/NAP
Start	3067	End	4260
GI	6630690	Score	2039
Exons	3067..4260		
GI Descrip.	(AP000969) Similar to serpin - wheat. (S65782) [Oryza sativa]		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29225	Strand	-
Start	3067	End	4260

Name	OJ991021_18.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	3073	End	3462
GI	none	Score	48
Exons	3073..3126, 3076..3126, 3121..3171, 3122..3172, 3166..3462, 3260..3454		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29225	Strand	-
Start	3067	End	4260
Name	OJ991021_18.0211.C14.o3.tm	Method	TBLASTX:Maize
Start	3577	End	3885
GI	none	Score	132
Exons	3577..3630, 3643..3885, 3650..3850		

Seq. No.	13728	Seq. ID	OJ991021_18.0211.C14
Gene No.	29225	Strand	-
Start	3067	End	4260
Name	OJ991021_18.0211.C14.o4.tm	Method	TBLASTX:Maize
Start	3974	End	4158
GI	none	Score	118
Exons	3974..4156, 3976..4158, 4096..4158		

Seq. No.	13729	Seq. ID	OJ991021_18.0211.C16
Gene No.	29226	Strand	+
Start	446	End	1697
Name	OJ991021_18.0211.C16.o1.gp	Method	AAT/GAP
Start	446	End	912
GI	uC-osflM202035d03b1	Score	805
Exons	446..912		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	13729	Seq. ID	OJ991021_18.0211.C16
Gene No.	29226	Strand	+
Start	446	End	1697
Name	OJ991021_18.0211.C16.o1.gs	Method	GENSCAN
Start	519	End	1385
GI	none	Score	.79
Exons	519..622, 818..1243, 1330..1385		

Seq. No.	13729	Seq. ID	OJ991021_18.0211.C16
Gene No.	29226	Strand	+
Start	446	End	1697
Name	OJ991021_18.0211.C16.o1.np	Method	AAT/NAP
Start	519	End	1697
GI	6721542	Score	1467
Exons	519..1243, 1330..1452, 1632..1697		
GI Descrip.	(AP001073) ESTs AU056916(S20978),AU056915(S20978) correspond to a region of the predicted gene.; Similar to Homo sapiens choroidermia, Rab geranylgeranyltransferase component A (X78121) [Oryza sativa]		

Seq. No.	13730	Seq. ID	OJ991101_12.0218.C1
Gene No.	29227	Strand	-
Start	58	End	541
Name	OJ991101_12.0218.C1.o1.gp	Method	AAT/GAP
Start	58	End	490

GI	5003747	Score	583
Exons	58..490		
Seq. No.	13730	Seq. ID	OJ991101_12.0218.C1
Gene No.	29227	Strand	-
Start	58	End	541
Name	OJ991101_12.0218.C1.o1.np	Method	AAT/NAP
Start	65	End	541
GI	3650031	Score	104
Exons	65..541		
GI Descrip.	(AC005396) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	13730	Seq. ID	OJ991101_12.0218.C1
Gene No.	29227	Strand	-
Start	58	End	541
Name	OJ991101_12.0218.C1.o1.gs	Method	GENSCAN
Start	189	End	466
GI	none	Score	.9
Exons	189..250, 267..466		

Seq. No.	13731	Seq. ID	OJ991101_12.0218.C2
Gene No.	29228	Strand	-
Start	377	End	494
Name	OJ991101_12.0218.C2.o1.gs	Method	GENSCAN
Start	377	End	494
GI	none	Score	.92
Exons	377..494		

Seq. No.	13732	Seq. ID	OJ991101_12.0218.C5
Gene No.	29229	Strand	+
Start	399	End	530
Name	OJ991101_12.0218.C5.o1.gs	Method	GENSCAN
Start	399	End	530
GI	none	Score	.91
Exons	399..530		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29230	Strand	+
Start	1	End	2274
Name	OJ991101_12.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	2265
GI	1170504	Score	1339
Exons	1..313, 543..785, 1252..2265		
GI Descrip.	EUKARYOTIC INITIATION FACTOR (ISO)4F SUBUNIT P82 (IEIF-(ISO)4F P82) gi|452440 (M95747) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29230	Strand	+
Start	1	End	2274
Name	OJ991101_12.0218.C6.o1.gp	Method	AAT/GAP
Start	226	End	1283
GI	LIB3479-007-Q6-K1-D7	Score	648
Exons	226..313, 543..785, 1252..1283		
GI Descrip.	'951453 8.0e-46 (M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]'		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29230	Strand	+
Start	1	End	2274
Name	OJ991101_12.0218.C6.o1.gs	Method	GENSCAN
Start	278	End	2274
GI	none	Score	.59
Exons	278..313, 543..785, 1252..2274		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29230	Strand	+
Start	1	End	2274
Name	OJ991101_12.0218.C6.o2.gp	Method	AAT/GAP
Start	1839	End	2255
GI	LIB3432-040-P1-K1-F8	Score	794
Exons	1839..2255		
GI Descrip.	'951453 5.0e-45 (M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]'		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29231	Strand	-
Start	2379	End	2718
Name	OJ991101_12.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	229	End	2190
GI	none	Score	139
Exons	229..315, 230..313, 237..317, 238..318, 557..787, 563..685, 570..791, 576..788, 577..807, 1249..1515, 1249..1332, 1265..1510, 1398..1514, 1531..2190, 1764..2168		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29231	Strand	-
Start	2379	End	2718
Name	OJ991101_12.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	230	End	1575
GI	none	Score	136
Exons	230..313, 232..318, 232..315, 540..791, 542..784, 579..788, 1249..1332, 1249..1332, 1396..1575, 1398..1514		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29231	Strand	-
Start	2379	End	2718
Name	OJ991101_12.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	230	End	2211
GI	none	Score	134
Exons	230..310, 232..351, 232..339, 234..368, 509..784, 552..806, 570..791, 571..807, 1249..1332, 1249..1305, 1263..1343, 1369..1542, 1380..1541, 1534..1623, 1534..1644, 1614..1646, 1669..2202, 1671..1871, 1672..2211, 1887..2207		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29231	Strand	-
Start	2379	End	2718
Name	OJ991101_12.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	716	End	1599
GI	none	Score	97
Exons	716..784, 717..806, 1246..1332, 1263..1343, 1299..1334, 1366..1527, 1371..1529, 1383..1523, 1403..1528, 1537..1599, 1537..1596, 1550..1597		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29231	Strand	-
Start	2379	End	2718
Name	OJ991101_12.0218.C6.o2.tc	Method	TBLASTX:Cress
Start	1741	End	2079
GI	none	Score	255
Exons	1741..2031, 1746..2027, 1825..2079, 2029..2079		

Seq. No.	13733	Seq. ID	OJ991101_12.0218.C6
Gene No.	29231	Strand	-
Start	2379	End	2718
Name	OJ991101_12.0218.C6.o3.gp	Method	AAT/GAP
Start	2379	End	2718
GI	5771067	Score	655
Exons	2379..2718		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29232	Strand	+
Start	875	End	2372
Name	OJ991101_12.0218.C7.o1.np	Method	AAT/NAP
Start	875	End	2372
GI	3452091	Score	332
Exons	875..936, 1449..1552, 2054..2174, 2285..2372		
GI Descrip.	(AJ004899) rudimentary enhancer [Glycine max]		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29232	Strand	+
Start	875	End	2372
Name	OJ991101_12.0218.C7.o1.gp	Method	AAT/GAP
Start	1459	End	2077
GI	5003747	Score	196
Exons	1459..1552, 2054..2077		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29233	Strand	+
Start	2273	End	2612
Name	OJ991101_12.0218.C7.o2.gp	Method	AAT/GAP
Start	2273	End	2612
GI	none	Score	591
Exons	2273..2612		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29234	Strand	+
Start	3242	End	3520
Name	OJ991101_12.0218.C7.o3.gp	Method	AAT/GAP
Start	3242	End	3520
GI	none	Score	524
Exons	3242..3520		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29235	Strand	-
Start	203	End	4665
Name	OJ991101_12.0218.C7.o1.gs	Method	GENSCAN
Start	203	End	4658
GI	none	Score	.77
Exons	203..267, 363..468, 698..823, 899..986, 2407..2446, 3617..4658		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29235	Strand	-
Start	203	End	4665
Name	OJ991101_12.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	1443	End	2369
GI	none	Score	132
Exons	1443..1559, 1450..1554, 2035..2175, 2052..2180, 2286..2369, 2294..2368		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29235	Strand	-
Start	203	End	4665
Name	OJ991101_12.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	1454	End	2379
GI	none	Score	140
Exons	1454..1555, 1458..1553, 1458..1562, 1459..1563, 1459..1566, 2035..2175, 2053..2166, 2285..2362, 2285..2377, 2286..2378, 2287..2379		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29235	Strand	-
Start	203	End	4665
Name	OJ991101_12.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	1459	End	2369
GI	none	Score	114
Exons	1459..1563, 1464..1565, 2035..2175, 2043..2219, 2270..2368, 2286..2369		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29235	Strand	-
Start	203	End	4665
Name	OJ991101_12.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	3609	End	4097
GI	none	Score	46
Exons	3609..3650, 3651..4076, 3667..4062, 3948..4097		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29235	Strand	-
Start	203	End	4665
Name	OJ991101_12.0218.C7.o2.tc	Method	TBLASTX:Cress
Start	3651	End	4206
GI	none	Score	125
Exons	3651..3743, 3958..4206, 3963..4205		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29235	Strand	-
Start	203	End	4665
Name	OJ991101_12.0218.C7.o3.tm	Method	TBLASTX:Maize
Start	4384	End	4665
GI	none	Score	252
Exons	4384..4665, 4386..4664		

Seq. No.	13734	Seq. ID	OJ991101_12.0218.C7
Gene No.	29235	Strand	-
Start	203	End	4665
Name	OJ991101_12.0218.C7.o2.ts	Method	TBLASTX:Soybean

Start	4416	End	4665
GI	none	Score	155
Exons	4416..4661, 4417..4665		

Seq. No.	13735	Seq. ID	OJ991101_12.0218.C8
Gene No.	29236	Strand	+
Start	1002	End	1559
Name	OJ991101_12.0218.C8.o1.gp	Method	AAT/GAP
Start	1002	End	1559
GI	none	Score	1049
Exons	1002..1559		

Seq. No.	13735	Seq. ID	OJ991101_12.0218.C8
Gene No.	29236	Strand	+
Start	1002	End	1559
Name	OJ991101_12.0218.C8.o1.gs	Method	GENSCAN
Start	1066	End	1545
GI	none	Score	.59
Exons	1066..1545		

Seq. No.	13736	Seq. ID	OJ991101_12.0218.C9
Gene No.	29237	Strand	+
Start	1	End	2906
Name	OJ991101_12.0218.C9.o1.np	Method	AAT/NAP
Start	1	End	2906
GI	2980780	Score	196
Exons	1..171, 1333..1579, 2835..2906		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29238	Strand	+
Start	1	End	3214
Name	OJ991101_12.0218.C10.o1.np	Method	AAT/NAP
Start	1	End	3214
GI	2980780	Score	507
Exons	1..70, 517..585, 1085..1163, 1945..2116, 2214..2294, 3061..3214		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29238	Strand	+
Start	1	End	3214
Name	OJ991101_12.0218.C10.o1.gs	Method	GENSCAN
Start	492	End	2829
GI	none	Score	.77
Exons	492..585, 1085..1163, 1945..2116, 2214..2294, 2823..2829		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29239	Strand	+
Start	10216	End	18126
Name	OJ991101_12.0218.C10.o4.gs	Method	GENSCAN
Start	10216	End	18126
GI	none	Score	.59
Exons	10216..10373, 11285..11498, 11505..11648, 11847..12970, 13115..13241, 13273..13429, 13483..14008, 14049..14877, 15894..16007, 16630..17391, 17400..18126		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10

Gene No.	29239	Strand	+
Start	10216	End	18126
Name	OJ991101_12.0218.C10.o4.np	Method	AAT/NAP
Start	11757	End	15566
GI	6630685	Score	3398
Exons	11757..11783, 13485..15566		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29240	Strand	-
Start	3384	End	7333
Name	OJ991101_12.0218.C10.o2.gs	Method	GENSCAN
Start	3384	End	6881
GI	none	Score	.9
Exons	3384..3464, 3918..4060, 4565..5804, 6000..6156, 6853..6881		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29240	Strand	-
Start	3384	End	7333
Name	OJ991101_12.0218.C10.o1.gp	Method	AAT/GAP
Start	4292	End	7333
GI	1081_1.R1084	Score	3848
Exons	4292..5908, 6000..6156, 7118..7333		
GI Descrip.	'3929545/gb|AAC79990.1| 1.0e-180 (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]'		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29240	Strand	-
Start	3384	End	7333
Name	OJ991101_12.0218.C10.o2.np	Method	AAT/NAP
Start	4545	End	5729
GI	6646868	Score	2063
Exons	4545..5729		
GI Descrip.	(AJ251899) S-adenosylmethionine decarboxylase 2 [Oryza sativa]		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29240	Strand	-
Start	3384	End	7333
Name	OJ991101_12.0218.C10.o3.np	Method	AAT/NAP
Start	6000	End	6137
GI	2129921	Score	194
Exons	6000..6137		
GI Descrip.	hypothetical protein 1 - Madagascar periwinkle gi|758694 (U12573) putative [Catharanthus roseus]		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29241	Strand	-
Start	9052	End	9366
Name	OJ991101_12.0218.C10.o5.tm	Method	TBLASTX:Maize
Start	489	End	2307
GI	none	Score	107
Exons	489..584, 489..581, 490..585, 1077..1163, 1079..1162, 1079..1177, 1932..2075, 1943..2116, 1944..2117, 2068..2160, 2213..2302, 2214..2303, 2215..2307		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10

Gene No.	29241	Strand	-
Start	9052	End	9366
Name	OJ991101_12.0218.C10.o2.tc	Method	TBLASTX:Cress
Start	1943	End	2304
GI	none	Score	222
Exons	1943..2116, 1944..2117, 2218..2304, 2220..2291		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29241	Strand	-
Start	9052	End	9366
Name	OJ991101_12.0218.C10.o3.tw	Method	TBLASTX:Wheat
Start	1997	End	3267
GI	none	Score	230
Exons	1997..2116, 1998..2117, 2002..2118, 2059..2160, 2214..2303, 2214..2303, 3047..3190, 3058..3192, 3205..3267, 3206..3265		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29241	Strand	-
Start	9052	End	9366
Name	OJ991101_12.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	4354	End	6146
GI	none	Score	61
Exons	4354..4392, 4466..4486, 4551..4604, 4596..5735, 4630..5775, 4631..5746, 4657..5754, 5756..5806, 5771..5827, 5789..5818, 5832..5906, 5888..5908, 5999..6145, 6007..6144, 6012..6146		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29241	Strand	-
Start	9052	End	9366
Name	OJ991101_12.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	4683	End	6145
GI	none	Score	251
Exons	4683..4913, 4684..4911, 4705..4917, 4908..5699, 4908..5699, 4915..5700, 5681..5818, 5755..5811, 5865..5906, 6012..6089, 6013..6087, 6021..6101, 6041..6100, 6093..6113, 6113..6145, 6115..6144		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29241	Strand	-
Start	9052	End	9366
Name	OJ991101_12.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	4689	End	6146
GI	none	Score	95
Exons	4689..4784, 4809..5048, 4818..5081, 4915..5103, 5118..5192, 5125..5181, 5232..5696, 5257..5562, 5599..5697, 5888..5908, 5988..6116, 6000..6089, 6080..6145, 6096..6146		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29241	Strand	-
Start	9052	End	9366
Name	OJ991101_12.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	4809	End	6139
GI	none	Score	124
Exons	4809..5081, 4839..5081, 4915..5082, 5106..5180, 5107..5181, 5119..5181, 5199..5225, 5241..5693, 5241..5696, 5296..5694, 5992..6081, 6000..6089, 6006..6113, 6092..6139, 6093..6137		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29241	Strand	-
Start	9052	End	9366
Name	OJ991101_12.0218.C10.o3.gs	Method	GENSCAN
Start	9052	End	9366
GI	none	Score	.55
Exons	9052..9366		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29242	Strand	
Start	11226	End	11753
Name	OJ991101_12.0218.C10.o4.tw	Method	TBLASTX:Wheat
Start	11226	End	11594
GI	none	Score	222
Exons	11226..11300, 11232..11594		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29242	Strand	
Start	11226	End	11753
Name	OJ991101_12.0218.C10.o8.tm	Method	TBLASTX:Maize
Start	11352	End	11753
GI	none	Score	205
Exons	11352..11753, 11388..11603		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29243	Strand	
Start	13178	End	13479
Name	OJ991101_12.0218.C10.o7.tm	Method	TBLASTX:Maize
Start	13178	End	13479
GI	none	Score	96
Exons	13178..13252, 13179..13256, 13264..13461, 13276..13479, 13281..13478		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29244	Strand	
Start	13478	End	13892
Name	OJ991101_12.0218.C10.o5.tw	Method	TBLASTX:Wheat
Start	13478	End	13802
GI	none	Score	88
Exons	13478..13534, 13479..13547, 13479..13544, 13536..13700, 13547..13711, 13657..13722, 13722..13802		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29244	Strand	
Start	13478	End	13892
Name	OJ991101_12.0218.C10.o6.tm	Method	TBLASTX:Maize
Start	13479	End	13892
GI	none	Score	362
Exons	13479..13892, 13485..13775, 13487..13780, 13784..13825		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29245	Strand	
Start	13914	End	14778
Name	OJ991101_12.0218.C10.o4.tm	Method	TBLASTX:Maize
Start	13914	End	14225
GI	none	Score	121
Exons	13914..13994, 13916..13996, 13999..14223, 14002..14220,		

14004..14225

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29245	Strand	
Start	13914	End	14778
Name	OJ991101_12.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	13941	End	14538
GI	5509260	Score	81
Exons	13941..13994, 13943..13993, 13996..14163, 14002..14148, 14157..14456, 14158..14538, 14164..14538		
GI Descrip.	-		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29245	Strand	
Start	13914	End	14778
Name	OJ991101_12.0218.C10.o2.tw	Method	TBLASTX:Wheat
Start	14058	End	14520
GI	none	Score	89
Exons	14058..14147, 14074..14148, 14169..14324, 14177..14383, 14179..14520, 14181..14456		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29245	Strand	
Start	13914	End	14778
Name	OJ991101_12.0218.C10.o4.tc	Method	TBLASTX:Cress
Start	14140	End	14421
GI	none	Score	204
Exons	14140..14421, 14220..14387		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29245	Strand	
Start	13914	End	14778
Name	OJ991101_12.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	14344	End	14778
GI	none	Score	612
Exons	14344..14778, 14344..14709, 14508..14777		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29246	Strand	
Start	14892	End	15599
Name	OJ991101_12.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	14892	End	15599
GI	none	Score	985
Exons	14892..15596, 14900..15589, 15240..15599		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29246	Strand	
Start	14892	End	15599
Name	OJ991101_12.0218.C10.o3.ts	Method	TBLASTX:Soybean
Start	14910	End	15551
GI	none	Score	310
Exons	14910..15299, 15134..15298, 15318..15551		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29246	Strand	
Start	14892	End	15599
Name	OJ991101_12.0218.C10.o6.tw	Method	TBLASTX:Wheat

Start	15048	End	15515
GI	none	Score	125
Exons	15048..15308, 15203..15283, 15327..15515, 15386..15502		

Seq. No.	13737	Seq. ID	OJ991101_12.0218.C10
Gene No.	29246	Strand	
Start	14892	End	15599
Name	OJ991101_12.0218.C10.o3.tc	Method	TBLASTX:Cress
Start	15093	End	15548
GI	none	Score	66
Exons	15093..15179, 15183..15317, 15335..15496, 15336..15548		

Seq. No.	13738	Seq. ID	OJ991101_12.0218.C11
Gene No.	29247	Strand	+
Start	563	End	9259
Name	OJ991101_12.0218.C11.o1.gs	Method	GENSCAN
Start	563	End	7937
GI	none	Score	.74
Exons	563..640, 706..862, 899..1049, 1072..1295, 2258..2360, 3019..3102, 3811..3894, 4672..4815, 7206..7346, 7393..7431, 7452..7937		

Seq. No.	13738	Seq. ID	OJ991101_12.0218.C11
Gene No.	29247	Strand	+
Start	563	End	9259
Name	OJ991101_12.0218.C11.o1.np	Method	AAT/NAP
Start	5697	End	9259
GI	2760837	Score	84
Exons	5697..5727, 7322..7451, 7544..7668, 9218..9259		
GI Descrip.	(AC003105) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	13738	Seq. ID	OJ991101_12.0218.C11
Gene No.	29248	Strand	+
Start	9287	End	11470
Name	OJ991101_12.0218.C11.o2.gs	Method	GENSCAN
Start	9287	End	11470
GI	none	Score	.48
Exons	9287..9412, 9576..9799, 9876..10019, 11323..11470		

Seq. No.	13739	Seq. ID	OJ991101_12.0218.C12
Gene No.	29249	Strand	+
Start	1327	End	1828
Name	OJ991101_12.0218.C12.o1.gs	Method	GENSCAN
Start	1327	End	1828
GI	none	Score	.45
Exons	1327..1453, 1680..1828		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29250	Strand	+
Start	633	End	689
Name	OJ991101_12.0218.C13.o1.gs	Method	GENSCAN
Start	633	End	689
GI	none	Score	.94
Exons	633..689		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29251	Strand	+

Start	4679	End	9533
Name	OJ991101_12.0218.C13.o2.np	Method	AAT/NAP
Start	4679	End	6023
GI	6630699	Score	68
Exons	4679..4731, 5935..6023		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29251	Strand	+
Start	4679	End	9533
Name	OJ991101_12.0218.C13.o1.np	Method	AAT/NAP
Start	5729	End	9533
GI	6721547	Score	92
Exons	5729..5824, 9437..9533		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29252	Strand	+
Start	10854	End	12983
Name	OJ991101_12.0218.C13.o4.np	Method	AAT/NAP
Start	10818	End	12983
GI	1420873	Score	501
Exons	10818..11341, 12934..12983		
GI Descrip.	(X98891) inorganic phosphate transporter 2 [Solanum tuberosum]		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29252	Strand	+
Start	10854	End	12983
Name	OJ991101_12.0218.C13.o3.gs	Method	GENSCAN
Start	10854	End	11468
GI	none	Score	.99
Exons	10854..11468		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29253	Strand	+
Start	16904	End	19614
Name	OJ991101_12.0218.C13.o2.gp	Method	AAT/GAP
Start	16904	End	19614
GI	none	Score	1646
Exons	16904..17108, 17742..17826, 18179..18292, 18988..19089, 19238..19614		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29253	Strand	+
Start	16904	End	19614
Name	OJ991101_12.0218.C13.o6.np	Method	AAT/NAP
Start	18218	End	19075
GI	4455361	Score	131
Exons	18218..18292, 18988..19075		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29254	Strand	+
Start	21667	End	24059
Name	OJ991101_12.0218.C13.o7.np	Method	AAT/NAP

Start	21667	End	24059
GI	3281869	Score	363
Exons	21667..21755, 22822..22910, 23799..23991, 24022..24059		
GI Descrip.	(AL031004) RSZp22 splicing factor [Arabidopsis thaliana] gi|3435094|gb|AAD12769.1| (AF033586) 9G8-like SR protein [Arabidopsis thaliana]		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29254	Strand	+
Start	21667	End	24059
Name	OJ991101_12.0218.C13.o3.gp	Method	AAT/GAP
Start	22644	End	23213
GI	none	Score	1103
Exons	22644..23213		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29255	Strand	-
Start	6162	End	9130
Name	OJ991101_12.0218.C13.o3.np	Method	AAT/NAP
Start	6162	End	9130
GI	5922620	Score	430
Exons	6162..6269, 7612..7870, 7915..8023, 8704..8866, 9024..9130		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o2.tc	Method	TBLASTX:Cress
Start	10817	End	11338
GI	none	Score	480
Exons	10817..11227, 10818..11198, 11258..11338		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o1.tm	Method	TBLASTX:Maize
Start	10818	End	11338
GI	none	Score	505
Exons	10818..11195, 10823..11218, 11258..11338		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o2.ts	Method	TBLASTX:Soybean
Start	10995	End	11302
GI	none	Score	259
Exons	10995..11198, 11009..11194, 11040..11198, 11258..11302		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o4.gs	Method	GENSCAN
Start	11771	End	16682

GI	none	Score	.84
Exons	11771..12143, 13417..13504, 13574..13745, 13852..14046, 14132..14399, 14780..14990, 15623..15766, 15908..16682		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o4.tm	Method	TBLASTX:Maize
Start	11900	End	12145
GI	none	Score	214
Exons	11900..12145, 11900..12100		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o3.tm	Method	TBLASTX:Maize
Start	14693	End	16070
GI	none	Score	316
Exons	14693..14989, 14726..14998, 14764..14997, 15624..15770, 15630..15767, 15902..15985, 15907..15984, 15909..16022, 15910..16023, 15971..16039, 15993..16037, 16041..16070		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o3.ts	Method	TBLASTX:Soybean
Start	14708	End	15007
GI	none	Score	175
Exons	14708..15007, 14764..15006		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o1.tc	Method	TBLASTX:Cress
Start	14729	End	16415
GI	none	Score	209
Exons	14729..14998, 14764..14997, 15624..15770, 15909..16415, 15910..16041, 16087..16344		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o5.np	Method	AAT/NAP
Start	14734	End	16637
GI	6648213	Score	1167
Exons	14734..14990, 15623..15766, 15908..16637		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13
Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o1.ts	Method	TBLASTX:Soybean
Start	15909	End	16415
GI	none	Score	68
Exons	15909..15974, 15910..15975, 15972..16415, 15973..16344		

Seq. No.	13740	Seq. ID	OJ991101_12.0218.C13

Gene No.	29256	Strand	-
Start	11771	End	16726
Name	OJ991101_12.0218.C13.o2.tm	Method	TBLASTX:Maize
Start	16125	End	16726
GI	none	Score	288
Exons	16125..16418, 16129..16344, 16611..16664, 16612..16656, 16702..16725, 16703..16726		

Seq. No.	13741	Seq. ID	OJ991101_12.0218.C14
Gene No.	29257	Strand	-
Start	1	End	487
Name	OJ991101_12.0218.C14.o1.gp	Method	AAT/GAP
Start	1	End	487
GI	3770_1.R1084	Score	925
Exons	1..487		
GI Descrip.	'3435096/gb|AAD12770.1| 4.0e-24 (AF033587) SRZ21 [Arabidopsis thaliana]'		

Seq. No.	13741	Seq. ID	OJ991101_12.0218.C14
Gene No.	29258	Strand	-
Start	2019	End	2589
Name	OJ991101_12.0218.C14.o2.gp	Method	AAT/GAP
Start	1644	End	1927
GI	3768898	Score	401
Exons	1644..1675, 1714..1927		

Seq. No.	13741	Seq. ID	OJ991101_12.0218.C14
Gene No.	29258	Strand	-
Start	2019	End	2589
Name	OJ991101_12.0218.C14.o2.gs	Method	GENSCAN
Start	2019	End	2513
GI	none	Score	1
Exons	2019..2333, 2415..2513		

Seq. No.	13741	Seq. ID	OJ991101_12.0218.C14
Gene No.	29258	Strand	-
Start	2019	End	2589
Name	OJ991101_12.0218.C14.o1.np	Method	AAT/NAP
Start	2022	End	2589
GI	4091806	Score	181
Exons	2022..2041, 2069..2318, 2571..2589		
GI Descrip.	(AF052585) CONSTANS-like protein 2 [Malus domestica]		

Seq. No.	13741	Seq. ID	OJ991101_12.0218.C14
Gene No.	29258	Strand	-
Start	2019	End	2589
Name	OJ991101_12.0218.C14.o1.ts	Method	TBLASTX:Soybean
Start	2023	End	2334
GI	none	Score	41
Exons	2023..2070, 2106..2246, 2107..2241, 2302..2334		

Seq. No.	13741	Seq. ID	OJ991101_12.0218.C14
Gene No.	29258	Strand	-
Start	2019	End	2589
Name	OJ991101_12.0218.C14.o1.tc	Method	TBLASTX:Cress
Start	2088	End	2241
GI	none	Score	93

Exons	2088..2240, 2107..2241		
Seq. No.	13741	Seq. ID	OJ991101_12.0218.C14
Gene No.	29258	Strand	-
Start	2019	End	2589
Name	OJ991101_12.0218.C14.o1.tm	Method	TBLASTX:Maize
Start	2143	End	2549
GI	none	Score	126
Exons	2143..2241, 2143..2196, 2145..2249, 2298..2330, 2299..2334, 2361..2549, 2416..2547		
Seq. No.	13741	Seq. ID	OJ991101_12.0218.C14
Gene No.	29258	Strand	-
Start	2019	End	2589
Name	OJ991101_12.0218.C14.o3.gp	Method	AAT/GAP
Start	2143	End	2589
GI	5455419	Score	712
Exons	2143..2333, 2415..2589		
GI Descrip.	4091806 2.0e-12 (AF052585) CONSTANS-like protein 2 [Malus domestica]		
Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29259	Strand	+
Start	4630	End	12779
Name	OJ991101_12.0218.C15.o2.gs	Method	GENSCAN
Start	4630	End	12779
GI	none	Score	.43
Exons	4630..4806, 4974..5221, 5289..5370, 5729..5840, 6189..6331, 6916..6931, 7343..7779, 8319..8466, 8695..8773, 9181..9254, 10957..11305, 12010..12076, 12092..12280, 12438..12484, 12671..12779		
Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29259	Strand	+
Start	4630	End	12779
Name	OJ991101_12.0218.C15.o1.np	Method	AAT/NAP
Start	5320	End	9325
GI	3063698	Score	622
Exons	5320..5370, 5493..5571, 5688..5840, 6189..6341, 6612..6795, 7215..7295, 7345..7471, 7574..7779, 8319..8466, 8660..8811, 9212..9325		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		
Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29259	Strand	+
Start	4630	End	12779
Name	OJ991101_12.0218.C15.o1.gp	Method	AAT/GAP
Start	6676	End	7691
GI	uC-osflcyp058a08b1	Score	912
Exons	6676..6795, 7215..7295, 7383..7691		
GI Descrip.	'1421751 3.0e-12 (U60592) putative ORF; conserved in 5'' leaders of plant SAMdC [Pisum sativum]'		
Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29260	Strand	+
Start	14056	End	14393
Name	OJ991101_12.0218.C15.o3.gs	Method	GENSCAN

Start	14056	End	14393
GI	none	Score	.81
Exons	14056..14058, 14214..14393		

Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29261	Strand	+
Start	15523	End	16508
Name	OJ991101_12.0218.C15.o4.gs	Method	GENSCAN
Start	15523	End	16508
GI	none	Score	.46
Exons	15523..15596, 16252..16329, 16406..16508		

Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29262	Strand	-
Start	9763	End	12189
Name	OJ991101_12.0218.C15.o2.np	Method	AAT/NAP
Start	9763	End	12189
GI	6714444	Score	229
Exons	9763..10303, 12005..12189		
GI Descrip.	(AC011620) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29263	Strand	-
Start	18488	End	21648
Name	OJ991101_12.0218.C15.o3.tm	Method	TBLASTX:Maize
Start	1	End	114
GI	none	Score	65
Exons	1..39, 1..114, 1..93, 2..112		

Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29263	Strand	-
Start	18488	End	21648
Name	OJ991101_12.0218.C15.o1.tm	Method	TBLASTX:Maize
Start	5257	End	7623
GI	none	Score	40
Exons	5257..5304, 5335..5373, 5352..5378, 5484..5570, 5491..5625, 5687..5842, 5689..5754, 5690..5845, 6170..6334, 6184..6375, 6643..6801, 6645..6788, 6646..6795, 6647..6796, 7213..7296, 7215..7295, 7380..7451, 7381..7467, 7384..7467, 7459..7623, 7494..7622		

Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29263	Strand	-
Start	18488	End	21648
Name	OJ991101_12.0218.C15.o2.tw	Method	TBLASTX:Wheat
Start	7465	End	16507
GI	none	Score	54
Exons	7465..7575, 7533..7778, 7654..7779, 8282..8467, 8304..8468, 16388..16507, 16392..16499		

Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29263	Strand	-
Start	18488	End	21648
Name	OJ991101_12.0218.C15.o2.tm	Method	TBLASTX:Maize
Start	7707	End	16487
GI	none	Score	63

Exons	7707..7772, 7719..7778, 7729..7779, 8288..8419, 8316..8429, 8357..8467, 8402..8470, 8415..8483, 8418..8474, 8646..8789, 8671..8781, 8694..8786, 9179..9250, 9245..9280, 9318..9338, 16388..16486, 16392..16487		
Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29263	Strand	-
Start	18488	End	21648
Name	OJ991101_12.0218.C15.o3.np	Method	AAT/NAP
Start	18011	End	21648
GI	6815052	Score	1686
Exons	18011..18129, 18412..18487, 18569..19266, 19315..19450, 20233..20325, 21175..21274, 21572..21648		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29263	Strand	-
Start	18488	End	21648
Name	OJ991101_12.0218.C15.o5.gs	Method	GENSCAN
Start	18488	End	21598
GI	none	Score	.49
Exons	18488..20106, 21209..21323, 21473..21598		
Seq. No.	13742	Seq. ID	OJ991101_12.0218.C15
Gene No.	29263	Strand	-
Start	18488	End	21648
Name	OJ991101_12.0218.C15.o1.tw	Method	TBLASTX:Wheat
Start	19505	End	19999
GI	none	Score	66
Exons	19505..19999, 19605..19763		
Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29264	Strand	+
Start	3039	End	4074
Name	OJ991101_12.0218.C16.o2.gs	Method	GENSCAN
Start	3039	End	4074
GI	none	Score	.97
Exons	3039..3045, 3296..3400, 4001..4074		
Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29265	Strand	+
Start	10365	End	11444
Name	OJ991101_12.0218.C16.o3.np	Method	AAT/NAP
Start	10365	End	11444
GI	484643	Score	66
Exons	10365..10450, 11236..11444		
GI Descrip.	proline-rich cell wall protein - carrot gi|470322 (L01775) proline-rich protein [Daucus carota]		
Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29266	Strand	-
Start	1	End	2156
Name	OJ991101_12.0218.C16.o1.np	Method	AAT/NAP
Start	1	End	431
GI	6815052	Score	231
Exons	1..22, 122..197, 279..431		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29266	Strand	-
Start	1	End	2156
Name	OJ991101_12.0218.C16.o2.np	Method	AAT/NAP
Start	1	End	2156
GI	2586083	Score	780
Exons	1..84, 583..1374, 1450..2156		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29267	Strand	-
Start	5325	End	7555
Name	OJ991101_12.0218.C16.o3.gs	Method	GENSCAN
Start	5325	End	7555
GI	none	Score	.53
Exons	5325..5554, 6650..6733, 6882..7080, 7230..7334, 7550..7555		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29268	Strand	-
Start	10161	End	10403
Name	OJ991101_12.0218.C16.o1.ts	Method	TBLASTX:Soybean
Start	561	End	1871
GI	none	Score	78
Exons	561..1067, 570..1061, 576..1067, 582..926, 591..1067, 651..1064, 784..891, 790..1053, 799..1041, 871..1032, 1074..1127, 1179..1373, 1188..1373, 1188..1373, 1392..1625, 1410..1826, 1410..1811, 1410..1826, 1468..1560, 1476..1826, 1525..1761, 1531..1761, 1591..1635, 1755..1826, 1821..1871		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29268	Strand	-
Start	10161	End	10403
Name	OJ991101_12.0218.C16.o1.tc	Method	TBLASTX:Cress
Start	570	End	1871
GI	none	Score	64
Exons	570..1067, 570..965, 582..1064, 582..1037, 582..1064, 582..704, 582..917, 654..1061, 672..920, 726..1064, 744..965, 787..918, 790..969, 819..983, 825..1106, 1065..1148, 1074..1139, 1164..1292, 1179..1367, 1179..1373, 1188..1373, 1218..1373, 1362..1814, 1401..1628, 1410..1862, 1416..1781, 1425..1628, 1467..1826, 1468..1644, 1488..1622, 1497..1730, 1540..1761, 1584..1802, 1597..1722, 1683..1826, 1683..1820, 1821..1871		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29268	Strand	-
Start	10161	End	10403
Name	OJ991101_12.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	570	End	1811
GI	none	Score	74
Exons	570..1037, 582..968, 651..1061, 699..1052, 768..1067, 796..963, 1410..1625, 1410..1622, 1422..1811, 1468..1635, 1683..1778		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29268	Strand	-
Start	10161	End	10403
Name	OJ991101_12.0218.C16.o1.tw	Method	TBLASTX:Wheat

Start	600	End	5552
GI	none	Score	60
Exons	600..851, 672..917, 744..989, 816..1169, 1164..1232, 1224..1316, 1410..1592, 1416..1625, 1683..1748, 5445..5552		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29268	Strand	-
Start	10161	End	10403
Name	OJ991101_12.0218.C16.o2.tm	Method	TBLASTX:Maize
Start	1068	End	7641
GI	none	Score	106
Exons	1068..1157, 1164..1400, 1171..1401, 7561..7641		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29268	Strand	-
Start	10161	End	10403
Name	OJ991101_12.0218.C16.o1.gp	Method	AAT/GAP
Start	9107	End	9188
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	9107..9188		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13743	Seq. ID	OJ991101_12.0218.C16
Gene No.	29268	Strand	-
Start	10161	End	10403
Name	OJ991101_12.0218.C16.o4.gs	Method	GENSCAN
Start	10161	End	10403
GI	none	Score	.7
Exons	10161..10265, 10383..10403		

Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29269	Strand	+
Start	481	End	5167
Name	OJ991101_12.0218.C17.o2.np	Method	AAT/NAP
Start	481	End	5167
GI	6630696	Score	502
Exons	481..542, 4730..5167		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29269	Strand	+
Start	481	End	5167
Name	OJ991101_12.0218.C17.o1.gs	Method	GENSCAN
Start	490	End	836
GI	none	Score	.46
Exons	490..544, 697..836		

Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29270	Strand	-
Start	1934	End	3298
Name	OJ991101_12.0218.C17.o1.ts	Method	TBLASTX:Soybean
Start	1875	End	2953
GI	none	Score	63

Exons	1875..1943, 1946..2392, 1946..2416, 1946..2407, 1946..2353, 1946..2416, 2006..2419, 2426..2584, 2426..2563, 2426..2557, 2442..2549, 2744..2944, 2747..2953		
Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29270	Strand	-
Start	1934	End	3298
Name	OJ991101_12.0218.C17.o2.gs	Method	GENSCAN
Start	1934	End	3298
GI	none	Score	.97
Exons	1934..3298		
Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29270	Strand	-
Start	1934	End	3298
Name	OJ991101_12.0218.C17.o1.tc	Method	TBLASTX:Cress
Start	1946	End	3133
GI	none	Score	80
Exons	1946..2407, 1946..2416, 1946..2461, 1946..2431, 1946..2401, 1946..2203, 1946..2392, 1946..2407, 1988..2419, 2006..2419, 2012..2218, 2069..2290, 2075..2149, 2093..2335, 2120..2419, 2120..2419, 2156..2359, 2225..2293, 2363..2422, 2393..2548, 2426..2581, 2426..2581, 2426..2557, 2426..2563, 2588..2959, 2591..2866, 2615..2959, 2657..2749, 2673..2969, 2744..3025, 2744..2926, 2744..2953, 2747..2953, 2747..2953, 2798..2959, 2816..2884, 2951..3028, 2954..3022, 2957..3025, 2957..3019, 3026..3133		
Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29270	Strand	-
Start	1934	End	3298
Name	OJ991101_12.0218.C17.o2.tw	Method	TBLASTX:Wheat
Start	1946	End	2953
GI	none	Score	64
Exons	1946..2203, 1952..2275, 2027..2347, 2168..2467, 2301..2450, 2426..2557, 2591..2884, 2837..2953		
Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29270	Strand	-
Start	1934	End	3298
Name	OJ991101_12.0218.C17.o1.tm	Method	TBLASTX:Maize
Start	1946	End	3022
GI	none	Score	63
Exons	1946..2407, 1946..2416, 1946..2275, 1946..2407, 1958..2416, 2027..2407, 2099..2422, 2171..2482, 2276..2332, 2420..2503, 2588..2872, 2597..2959, 2600..2953, 2744..2992, 2942..2995, 2957..3022		
Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29270	Strand	-
Start	1934	End	3298
Name	OJ991101_12.0218.C17.o1.np	Method	AAT/NAP
Start	1948	End	3295
GI	2586083	Score	636
Exons	1948..3295		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	13744	Seq. ID	OJ991101_12.0218.C17
Gene No.	29271	Strand	
Start	4769	End	5116
Name	OJ991101_12.0218.C17.o1.tw	Method	TBLASTX:Wheat
Start	4769	End	5116
GI	none	Score	205
Exons	4769..5080, 4772..5050, 4773..5075, 5080..5109, 5087..5116		

Seq. No.	13745	Seq. ID	OJ991101_12.0218.C18
Gene No.	29272	Strand	+
Start	1	End	2765
Name	OJ991101_12.0218.C18.o1.np	Method	AAT/NAP
Start	1	End	2765
GI	2493240	Score	55
Exons	1..37, 1618..1922, 2710..2765		
GI Descrip.	HYPOTHETICAL 29.3 KD PROTEIN (ORF92) gi|1911338 (U75930) unknown [Orgyia pseudotsugata nuclear polyhedrosis virus]		

Seq. No.	13745	Seq. ID	OJ991101_12.0218.C18
Gene No.	29273	Strand	-
Start	869	End	4808
Name	OJ991101_12.0218.C18.o1.gs	Method	GENSCAN
Start	869	End	4808
GI	none	Score	.64
Exons	869..893, 936..1051, 1686..1791, 1880..2038, 2723..2868, 4695..4808		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29274	Strand	+
Start	2752	End	3519
Name	OJ991021_11.0218.C1.o2.gs	Method	GENSCAN
Start	2752	End	3519
GI	none	Score	.4
Exons	2752..3519		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29275	Strand	+
Start	4444	End	4994
Name	OJ991021_11.0218.C1.o1.gp	Method	AAT/GAP
Start	4444	End	4994
GI	9531_1.R1084	Score	1011
Exons	4444..4994		
GI Descrip.	'5295954/dbj|BAA81855.1| 7.0e-37 (AB026295) hypothetical protein [Oryza sativa]'		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29276	Strand	+
Start	4985	End	6647
Name	OJ991021_11.0218.C1.o4.np	Method	AAT/NAP
Start	4985	End	6647
GI	5295953	Score	415
Exons	4985..5303, 6623..6647		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29277	Strand	+
Start	9111	End	13362

Name	OJ991021_11.0218.C1.o4.gs	Method	GENSCAN
Start	9111	End	13362
GI	none	Score	.5
Exons	9111..9124, 9227..9303, 9513..9589, 10038..10141, 11656..11749, 12611..12904, 13129..13362		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29278	Strand	+
Start	15410	End	22082
Name	OJ991021_11.0218.C1.o5.gs	Method	GENSCAN
Start	15410	End	22082
GI	none	Score	.46
Exons	15410..15719, 15853..16136, 18838..18884, 20351..20495, 20534..20677, 20712..20842, 20955..21097, 22051..22082		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29279	Strand	+
Start	23842	End	29707
Name	OJ991021_11.0218.C1.o5.np	Method	AAT/NAP
Start	23830	End	28654
GI	3738339	Score	1459
Exons	23830..23932, 24265..24387, 24547..24690, 24812..24883, 25000..25059, 25244..25325, 25526..25695, 25827..26146, 27334..27725, 28277..28654		
GI Descrip.	(AC005170) putative LRR receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29279	Strand	+
Start	23842	End	29707
Name	OJ991021_11.0218.C1.o6.gs	Method	GENSCAN
Start	23842	End	29707
GI	none	Score	.7
Exons	23842..23932, 24029..24161, 24316..24387, 24547..24690, 24812..24883, 25244..25380, 25509..25694, 25778..26146, 26956..27114, 27334..27725, 28277..28653, 29638..29707		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29280	Strand	-
Start	3571	End	8728
Name	OJ991021_11.0218.C1.o3.tw	Method	TBLASTX:Wheat
Start	867	End	1247
GI	none	Score	222
Exons	867..1247		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29280	Strand	-
Start	3571	End	8728
Name	OJ991021_11.0218.C1.o3.np	Method	AAT/NAP
Start	3571	End	4784
GI	5295954	Score	584
Exons	3571..3660, 4370..4784		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29280	Strand	-
Start	3571	End	8728

Name	OJ991021_11.0218.C1.o3.gs	Method	GENSCAN
Start	4434	End	8728
GI	none	Score	.56
Exons	4434..4772, 5063..5371, 5609..5700, 8088..8163, 8203..8451, 8717..8728		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29280	Strand	-
Start	3571	End	8728
Name	OJ991021_11.0218.C1.o2.gp	Method	AAT/GAP
Start	5020	End	5481
GI	LIB3431-022-P1-N1-F9	Score	727
Exons	5020..5193, 5234..5481		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-174 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29281	Strand	
Start	24025	End	25068
Name	OJ991021_11.0218.C1.o3.tm	Method	TBLASTX:Maize
Start	24025	End	25059
GI	none	Score	183
Exons	24025..24162, 24025..24159, 24063..24167, 24319..24387, 24320..24421, 24548..24697, 24553..24690, 24811..24846, 24816..24884, 24821..24883, 24988..25059, 25001..25057		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29281	Strand	
Start	24025	End	25068
Name	OJ991021_11.0218.C1.o2.ts	Method	TBLASTX:Soybean
Start	24028	End	25068
GI	none	Score	180
Exons	24028..24162, 24045..24161, 24317..24406, 24547..24690, 24548..24703, 24551..24700, 24551..24670, 24812..24883, 24813..24881, 24816..24863, 25000..25068, 25001..25057		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29282	Strand	
Start	25768	End	28639
Name	OJ991021_11.0218.C1.o4.tw	Method	TBLASTX:Wheat
Start	25768	End	26070
GI	none	Score	185
Exons	25768..26070, 25857..26030		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29282	Strand	
Start	25768	End	28639
Name	OJ991021_11.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	25828	End	28483
GI	none	Score	188
Exons	25828..25995, 25845..25994, 25992..26072, 25993..26073, 26088..26171, 26089..26148, 27330..27686, 27332..27433, 27441..27638, 27536..27676, 27699..27728, 28280..28483		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29282	Strand	
Start	25768	End	28639

Name	OJ991021_11.0218.C1.o2.tm	Method	TBLASTX:Maize
Start	25828	End	27619
GI	none	Score	193
Exons	25828..25995, 25836..25994, 25975..26073, 25977..26072, 26089..26145, 27336..27617, 27338..27436, 27536..27619		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29282	Strand	
Start	25768	End	28639
Name	OJ991021_11.0218.C1.o2.tc	Method	TBLASTX:Cress
Start	25828	End	27380
GI	none	Score	192
Exons	25828..25995, 25839..25994, 25992..26072, 25993..26100, 26089..26145, 26097..26138, 27330..27380		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29282	Strand	
Start	25768	End	28639
Name	OJ991021_11.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	27345	End	27674
GI	none	Score	297
Exons	27345..27674		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29282	Strand	
Start	25768	End	28639
Name	OJ991021_11.0218.C1.o1.tc	Method	TBLASTX:Cress
Start	27383	End	28480
GI	none	Score	462
Exons	27383..27436, 27384..27680, 27453..27638, 27536..27679, 27702..27728, 28277..28480, 28331..28468		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29282	Strand	
Start	25768	End	28639
Name	OJ991021_11.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	27620	End	28639
GI	none	Score	136
Exons	27620..27730, 27621..27728, 28229..28639, 28272..28409, 28337..28483		

Seq. No.	13746	Seq. ID	OJ991021_11.0218.C1
Gene No.	29282	Strand	
Start	25768	End	28639
Name	OJ991021_11.0218.C1.o2.tw	Method	TBLASTX:Wheat
Start	28277	End	28483
GI	none	Score	251
Exons	28277..28483, 28331..28468		

Seq. No.	13747	Seq. ID	OJ991021_11.0218.C3
Gene No.	29283	Strand	+
Start	1	End	566
Name	OJ991021_11.0218.C3.o1.np	Method	AAT/NAP
Start	1	End	566
GI	3929400	Score	334
Exons	1..566		
GI Descrip.	SULFIDE DEHYDROGENASE [FLAVOCYTOCHROME C] FLAVOPROTEIN CHAIN		

PRECURSOR (FC) (FCSD) (FLAVOCYTOCHROME C FLAVOPROTEIN SUBUNIT)
gi|2623858 (AF031149) flavocytochrome c flavoprotein subunit precursor [Chromatium vinosum]

Seq. No.	13747	Seq. ID	OJ991021_11.0218.C3
Gene No.	29283	Strand	+
Start	1	End	566
Name	OJ991021_11.0218.C3.o1.gs	Method	GENSCAN
Start	30	End	304
GI	none	Score	.91
Exons	30..304		

Seq. No.	13748	Seq. ID	OJ991021_11.0218.C4
Gene No.	29284	Strand	+
Start	1355	End	1445
Name	OJ991021_11.0218.C4.o1.gp	Method	AAT/GAP
Start	1355	End	1445
GI	LIB3431-011-P1-N1-B2	Score	148
Exons	1355..1445		
GI Descrip.	'3377848 3.0e-15 (AF076274) contains similarity to reverse transcriptases (Pfam: rvt.hmm, score: 12.22) [Arabidopsis thaliana]'		

Seq. No.	13748	Seq. ID	OJ991021_11.0218.C4
Gene No.	29285	Strand	-
Start	1983	End	4049
Name	OJ991021_11.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	1980	End	3979
GI	none	Score	40
Exons	1980..2081, 2364..2447, 2401..2445, 2539..2679, 2543..2686, 2783..2875, 3887..3979		

Seq. No.	13748	Seq. ID	OJ991021_11.0218.C4
Gene No.	29285	Strand	-
Start	1983	End	4049
Name	OJ991021_11.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	1980	End	3979
GI	none	Score	70
Exons	1980..2051, 1980..2105, 1981..2076, 2097..2234, 2100..2252, 2358..2447, 2398..2445, 2522..2668, 2528..2650, 2529..2684, 2536..2679, 2538..2687, 2804..2875, 3872..3979		

Seq. No.	13748	Seq. ID	OJ991021_11.0218.C4
Gene No.	29285	Strand	-
Start	1983	End	4049
Name	OJ991021_11.0218.C4.o1.np	Method	AAT/NAP
Start	1983	End	4049
GI	5732016	Score	509
Exons	1983..2231, 2358..2450, 2539..2682, 2786..2872, 3803..4049		
GI Descrip.	(L47355) chorimate mutase [Arabidopsis thaliana] gi|5824345|emb|CAB54519.1| (AJ242648) chorismate mutase [Arabidopsis thaliana]		

Seq. No.	13748	Seq. ID	OJ991021_11.0218.C4
Gene No.	29285	Strand	-
Start	1983	End	4049
Name	OJ991021_11.0218.C4.o1.ts	Method	TBLASTX:Soybean

Start	2358	End	3982
GI	none	Score	63
Exons	2358..2459, 2359..2457, 2366..2467, 2534..2668, 2534..2587, 2539..2679, 2792..2875, 3881..3982		

Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o1.gs	Method	GENSCAN
Start	588	End	5099
GI	none	Score	.5
Exons	588..729, 1694..1781, 3363..3403, 3430..3594, 3728..3856, 4026..4214, 4413..4580, 4944..5099		

Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o1.gp	Method	AAT/GAP
Start	3210	End	4214
GI	12543_1.R1084	Score	1257
Exons	3210..3607, 3702..3856, 4026..4214		
GI Descrip.	'3341511/emb|CAA13176| 6.0e-76 (AJ231134) cinnamoyl-CoA reductase [Saccharum officinarum]'		

Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o1.np	Method	AAT/NAP
Start	3430	End	10255
GI	3341511	Score	1461
Exons	3430..3607, 3702..3856, 4026..4214, 6358..6710, 10048..10255		
GI Descrip.	(AJ231134) cinnamoyl-CoA reductase [Saccharum officinarum]		

Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	3439	End	6712
GI	none	Score	195
Exons	3439..3606, 3496..3606, 3688..3741, 3701..3856, 3701..3766, 3808..3834, 4025..4084, 4026..4082, 4085..4156, 4086..4214, 4140..4214, 6355..6378, 6471..6656, 6472..6657, 6661..6711, 6668..6712		

Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	3496	End	3856
GI	none	Score	171
Exons	3496..3612, 3508..3612, 3685..3741, 3698..3856		

Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o1.tw	Method	TBLASTX:Wheat
Start	3496	End	3841

GI	none	Score	142
Exons	3496..3603, 3698..3841		
Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	3502	End	4217
GI	none	Score	168
Exons	3502..3606, 3701..3856, 4025..4105, 4026..4118, 4076..4156, 4077..4217		
Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o2.ts	Method	TBLASTX:Soybean
Start	3942	End	10213
GI	none	Score	69
Exons	3942..4007, 4025..4117, 4026..4118, 4076..4147, 4077..4214, 4140..4211, 6355..6378, 6357..6377, 6471..6524, 6472..6711, 6600..6713, 10036..10191, 10037..10213		
Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o2.gs	Method	GENSCAN
Start	6349	End	10258
GI	none	Score	.8
Exons	6349..6710, 10048..10258		
Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o2.tw	Method	TBLASTX:Wheat
Start	6472	End	6711
GI	none	Score	201
Exons	6472..6711		
Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o2.gp	Method	AAT/GAP
Start	6604	End	10446
GI	55814_1.R1084	Score	924
Exons	6604..6710, 10048..10446		
GI Descrip.	'3341511/emb|CAA13176| 3.0e-34 (AJ231134) cinnamoyl-CoA reductase [Saccharum officinarum]'		
Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5
Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o2.tc	Method	TBLASTX:Cress
Start	6664	End	10186
GI	none	Score	64
Exons	6664..6711, 10042..10185, 10046..10186		
Seq. No.	13749	Seq. ID	OJ991021_11.0218.C5

Gene No.	29286	Strand	+
Start	588	End	10446
Name	OJ991021_11.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	10036	End	10345
GI	none	Score	244
Exons	10036..10191, 10037..10222, 10112..10195, 10196..10345		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29287	Strand	+
Start	1	End	967
Name	OJ991021_11.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	967
GI	3779026	Score	545
Exons	1..967		
GI Descrip.	(AC005171) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29287	Strand	+
Start	1	End	967
Name	OJ991021_11.0218.C6.o1.gp	Method	AAT/GAP
Start	75	End	514
GI	LIB3431-011-P1-K1-B2	Score	848
Exons	75..514		
GI Descrip.	'1621477/dbj|BAA12894| 2.0e-36 (D85868) reverse transcriptase [Oryza sativa]'		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o2.tc	Method	TBLASTX:Cress
Start	1	End	222
GI	none	Score	237
Exons	1..222, 3..221		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	3	End	489
GI	none	Score	286
Exons	3..95, 4..348, 162..302, 340..489, 418..456		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	3	End	318
GI	5509260	Score	289
Exons	3..116, 4..318, 162..227, 261..314		
GI Descrip.	-		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	3	End	435

GI	none	Score	343
Exons	3..95, 4..435, 157..321, 162..323		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	364	End	954
GI	none	Score	41
Exons	364..420, 479..571, 572..697, 728..949, 736..954		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	478	End	982
GI	none	Score	499
Exons	478..981, 479..982, 893..982		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o2.tw	Method	TBLASTX:Wheat
Start	491	End	904
GI	none	Score	154
Exons	491..715, 571..645, 713..904		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	642	End	1048
GI	none	Score	133
Exons	642..992, 644..1000, 662..1048		

Seq. No.	13750	Seq. ID	OJ991021_11.0218.C6
Gene No.	29288	Strand	-
Start	678	End	1068
Name	OJ991021_11.0218.C6.o2.gp	Method	AAT/GAP
Start	678	End	1068
GI	LIB3431-011-P1-N1-B2	Score	770
Exons	678..1068		
GI Descrip.	'3377848 3.0e-15 (AF076274) contains similarity to reverse transcriptases (Pfam: rvt.hmm, score: 12.22) [Arabidopsis thaliana]'		

Seq. No.	13751	Seq. ID	OJ991021_11.0218.C7
Gene No.	29289	Strand	-
Start	131	End	8392
Name	OJ991021_11.0218.C7.o1.gs	Method	GENSCAN
Start	131	End	8309
GI	none	Score	.4
Exons	131..379, 1654..2024, 2351..2735, 3700..3917, 4001..4339, 4621..4767, 4842..4953, 6829..6936, 7138..7227, 7360..7476, 7880..7999, 8167..8309		

Seq. No.	13751	Seq. ID	OJ991021_11.0218.C7

Gene No.	29289	Strand	-
Start	131	End	8392
Name	OJ991021_11.0218.C7.o1.np	Method	AAT/NAP
Start	2832	End	8392
GI	6069646	Score	95
Exons	2832..2869, 4557..4835, 8338..8392		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13751	Seq. ID	OJ991021_11.0218.C7
Gene No.	29289	Strand	-
Start	131	End	8392
Name	OJ991021_11.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	4593	End	4911
GI	none	Score	124
Exons	4593..4910, 4729..4911		

Seq. No.	13751	Seq. ID	OJ991021_11.0218.C7
Gene No.	29289	Strand	-
Start	131	End	8392
Name	OJ991021_11.0218.C7.o2.np	Method	AAT/NAP
Start	5813	End	8392
GI	3738334	Score	232
Exons	5813..5918, 6829..6936, 7138..7227, 7360..7487, 8178..8392		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	13751	Seq. ID	OJ991021_11.0218.C7
Gene No.	29289	Strand	-
Start	131	End	8392
Name	OJ991021_11.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	7135	End	8392
GI	none	Score	102
Exons	7135..7230, 7342..7494, 7364..7477, 7873..7980, 7877..8002, 7881..7988, 8167..8346, 8167..8391, 8168..8392		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29290	Strand	+
Start	12260	End	14379
Name	OJ991021_11.0218.C8.o3.np	Method	AAT/NAP
Start	12260	End	13668
GI	1168750	Score	151
Exons	12260..12323, 12454..12578, 12701..12816, 12907..13016, 13549..13668		
GI Descrip.	CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) gi|458230 (U04380) calcineurin B [Naegleria gruberi]		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29290	Strand	+
Start	12260	End	14379
Name	OJ991021_11.0218.C8.o1.gp	Method	AAT/GAP
Start	12906	End	14379
GI	none	Score	905
Exons	12906..13016, 13549..13623, 14072..14379		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29291	Strand	-
Start	1	End	795
Name	OJ991021_11.0218.C8.o1.np	Method	AAT/NAP
Start	1	End	795
GI	5725435	Score	174
Exons	1..496, 530..795		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29292	Strand	-
Start	9887	End	12147
Name	OJ991021_11.0218.C8.o2.gs	Method	GENSCAN
Start	9887	End	12147
GI	none	Score	.53
Exons	9887..10376, 10491..10675, 10963..11151, 11680..12147		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29292	Strand	-
Start	9887	End	12147
Name	OJ991021_11.0218.C8.o2.np	Method	AAT/NAP
Start	9887	End	11271
GI	6911873	Score	484
Exons	9887..10376, 10491..10754, 10967..11271		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29292	Strand	-
Start	9887	End	12147
Name	OJ991021_11.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	9896	End	11058
GI	none	Score	117
Exons	9896..10015, 10088..10348, 10098..10334, 10490..10540, 10538..10702, 10538..10711, 10569..10757, 11008..11058		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29292	Strand	-
Start	9887	End	12147
Name	OJ991021_11.0218.C8.o3.ts	Method	TBLASTX:Soybean
Start	10046	End	10297
GI	none	Score	101
Exons	10046..10297, 10131..10271		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29292	Strand	-
Start	9887	End	12147
Name	OJ991021_11.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	10079	End	10351
GI	none	Score	115
Exons	10079..10351, 10080..10346		

Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29292	Strand	-
Start	9887	End	12147
Name	OJ991021_11.0218.C8.o3.tc	Method	TBLASTX:Cress
Start	10484	End	10712
GI	none	Score	102

Exons	10484..10711, 10563..10712		
Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29292	Strand	-
Start	9887	End	12147
Name	OJ991021_11.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	10490	End	11104
GI	none	Score	95
Exons	10490..10711, 10575..10727, 10966..11103, 10985..11104		
Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29293	Strand	
Start	12254	End	13643
Name	OJ991021_11.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	12254	End	13643
GI	none	Score	128
Exons	12254..12328, 12455..12574, 12456..12578, 12710..12817, 12711..12830, 12713..12820, 12738..12830, 12902..13015, 12903..13016, 12907..13017, 12909..13019, 13537..13623, 13545..13622, 13546..13626, 13551..13643		
Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29293	Strand	
Start	12254	End	13643
Name	OJ991021_11.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	12257	End	13626
GI	none	Score	102
Exons	12257..12319, 12458..12577, 12459..12578, 12686..12748, 12713..12808, 12738..12830, 12906..13016, 12908..13012, 13546..13626, 13551..13622		
Seq. No.	13752	Seq. ID	OJ991021_11.0218.C8
Gene No.	29293	Strand	
Start	12254	End	13643
Name	OJ991021_11.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	12260	End	13617
GI	none	Score	101
Exons	12260..12328, 12456..12578, 12456..12578, 12709..12816, 12710..12817, 12711..12824, 12738..12830, 12902..13012, 12909..13016, 13546..13617		
Seq. No.	13753	Seq. ID	OJ991021_11.0218.C9
Gene No.	29294	Strand	+
Start	4292	End	8081
Name	OJ991021_11.0218.C9.o2.gs	Method	GENSCAN
Start	4292	End	8081
GI	none	Score	.92
Exons	4292..4473, 4572..4654, 4903..4991, 5166..5239, 5445..5495, 5587..5663, 7387..8081		
Seq. No.	13753	Seq. ID	OJ991021_11.0218.C9
Gene No.	29294	Strand	+
Start	4292	End	8081
Name	OJ991021_11.0218.C9.o1.np	Method	AAT/NAP
Start	4313	End	8081
GI	6587812	Score	704
Exons	4313..4473, 4572..4654, 4903..4991, 5166..5239, 5445..5495,		

	5587..5663, 7387..7483, 7512..7676, 7881..8081		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	13753	Seq. ID	OJ991021_11.0218.C9
Gene No.	29295	Strand	+
Start	8880	End	12368
Name	OJ991021_11.0218.C9.o3.gs	Method	GENSCAN
Start	8880	End	9608
GI	none	Score	.79
Exons	8880..9608		

Seq. No.	13753	Seq. ID	OJ991021_11.0218.C9
Gene No.	29295	Strand	+
Start	8880	End	12368
Name	OJ991021_11.0218.C9.o2.np	Method	AAT/NAP
Start	8919	End	12368
GI	2980780	Score	63
Exons	8919..9193, 9495..9596, 11656..11781, 12279..12368		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	13753	Seq. ID	OJ991021_11.0218.C9
Gene No.	29296	Strand	-
Start	10384	End	11485
Name	OJ991021_11.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	4899	End	5665
GI	none	Score	97
Exons	4899..4991, 4899..4991, 5165..5245, 5169..5240, 5173..5244, 5442..5495, 5443..5496, 5584..5628, 5585..5665		

Seq. No.	13753	Seq. ID	OJ991021_11.0218.C9
Gene No.	29296	Strand	-
Start	10384	End	11485
Name	OJ991021_11.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	5166	End	5665
GI	none	Score	108
Exons	5166..5243, 5177..5251, 5440..5502, 5442..5498, 5584..5631, 5585..5665		

Seq. No.	13753	Seq. ID	OJ991021_11.0218.C9
Gene No.	29296	Strand	-
Start	10384	End	11485
Name	OJ991021_11.0218.C9.o4.gs	Method	GENSCAN
Start	10384	End	11485
GI	none	Score	.54
Exons	10384..10555, 11478..11485		

Seq. No.	13754	Seq. ID	OJ991021_11.0218.C10
Gene No.	29297	Strand	+
Start	1	End	848
Name	OJ991021_11.0218.C10.o1.np	Method	AAT/NAP
Start	1	End	697
GI	2980780	Score	85
Exons	1..74, 322..390, 619..697		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	13754	Seq. ID	OJ991021_11.0218.C10

Gene No.	29297	Strand	+
Start	1	End	848
Name	OJ991021_11.0218.C10.o1.gs	Method	GENSCAN
Start	338	End	848
GI	none	Score	.72
Exons	338..390, 619..697, 838..848		

Seq. No.	13755	Seq. ID	OJ991021_11.0218.C11
Gene No.	29298	Strand	+
Start	1	End	670
Name	OJ991021_11.0218.C11.o1.np	Method	AAT/NAP
Start	1	End	670
GI	2980780	Score	241
Exons	1..147, 296..382, 638..670		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	13755	Seq. ID	OJ991021_11.0218.C11
Gene No.	29298	Strand	+
Start	1	End	670
Name	OJ991021_11.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	383
GI	none	Score	225
Exons	1..147, 2..148, 3..149, 296..376, 297..383		

Seq. No.	13755	Seq. ID	OJ991021_11.0218.C11
Gene No.	29298	Strand	+
Start	1	End	670
Name	OJ991021_11.0218.C11.o1.gs	Method	GENSCAN
Start	14	End	376
GI	none	Score	.8
Exons	14..147, 296..376		

Seq. No.	13755	Seq. ID	OJ991021_11.0218.C11
Gene No.	29298	Strand	+
Start	1	End	670
Name	OJ991021_11.0218.C11.o1.tw	Method	TBLASTX:Wheat
Start	28	End	383
GI	none	Score	190
Exons	28..147, 29..148, 29..148, 296..376, 297..383		

Seq. No.	13756	Seq. ID	OJ991021_11.0218.C12
Gene No.	29299	Strand	-
Start	71	End	578
Name	OJ991021_11.0218.C12.o1.gs	Method	GENSCAN
Start	71	End	578
GI	none	Score	.57
Exons	71..188, 429..578		

Seq. No.	13756	Seq. ID	OJ991021_11.0218.C12
Gene No.	29299	Strand	-
Start	71	End	578
Name	OJ991021_11.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	235	End	480
GI	none	Score	187
Exons	235..480, 235..465		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1

Gene No.	29300	Strand	+
Start	824	End	2276
Name	OJ991111_15.0225.C1.o1.gs	Method	GENSCAN
Start	824	End	2276
GI	none	Score	.48
Exons	824..914, 1909..2276		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29301	Strand	+
Start	3446	End	8830
Name	OJ991111_15.0225.C1.o2.gs	Method	GENSCAN
Start	3446	End	8830
GI	none	Score	.91
Exons	3446..5927, 6045..6232, 7342..7443, 7706..7782, 8318..8444, 8547..8714, 8801..8830		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29301	Strand	+
Start	3446	End	8830
Name	OJ991111_15.0225.C1.o1.gp	Method	AAT/GAP
Start	3848	End	4302
GI	572324	Score	878
Exons	3848..4302		
GI Descrip.	4539452/emb|CAB39932.1| 4.0e-13 (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29301	Strand	+
Start	3446	End	8830
Name	OJ991111_15.0225.C1.o1.np	Method	AAT/NAP
Start	3881	End	6478
GI	4539452	Score	3237
Exons	3881..6478		
GI Descrip.	(AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29301	Strand	+
Start	3446	End	8830
Name	OJ991111_15.0225.C1.o2.np	Method	AAT/NAP
Start	7384	End	8827
GI	6179602	Score	572
Exons	7384..7443, 7706..7782, 7863..7924, 8318..8444, 8547..8714, 8801..8827		
GI Descrip.	(AJ238744) glutathione peroxidase-like protein GPX15Hv [Hordeum vulgare]		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29302	Strand	+
Start	15122	End	18698
Name	OJ991111_15.0225.C1.o4.gs	Method	GENSCAN
Start	15122	End	18698
GI	none	Score	.58
Exons	15122..15189, 15870..15993, 16524..16729, 18515..18698		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29303	Strand	+

Start	20524	End	36415
Name	OJ991111_15.0225.C1.o5.gs	Method	GENSCAN
Start	20524	End	35465
GI	none	Score	.59
Exons	20524..20651, 22836..22915, 23664..23728, 27942..28043, 29354..29495, 29906..30054, 30082..30190, 30654..30973, 31675..31810, 32260..32393, 32473..32578, 33056..33141, 33567..33755, 34840..34953, 35210..35320, 35382..35465		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29303	Strand	+
Start	20524	End	36415
Name	OJ991111_15.0225.C1.o5.gp	Method	AAT/GAP
Start	29765	End	30814
GI	31993_1.R1084	Score	754
Exons	29765..29905, 30082..30190, 30654..30814		
GI Descrip.	'3047104 2.0e-13 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29303	Strand	+
Start	20524	End	36415
Name	OJ991111_15.0225.C1.o4.np	Method	AAT/NAP
Start	30309	End	35449
GI	6633851	Score	1492
Exons	30309..30381, 30642..30931, 31649..31810, 32260..32393, 32473..32578, 33056..33141, 33567..33719, 34136..34246, 34840..34953, 35210..35449		
GI Descrip.	(AC008047) F2K11.13 [Arabidopsis thaliana]		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29303	Strand	+
Start	20524	End	36415
Name	OJ991111_15.0225.C1.o6.gp	Method	AAT/GAP
Start	31752	End	33733
GI	14753_1.R1084	Score	1020
Exons	31752..31810, 32260..32393, 32473..32578, 33056..33141, 33567..33733		
GI Descrip.	'3080427/emb|CAA18746.1| 1.0e-79 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29303	Strand	+
Start	20524	End	36415
Name	OJ991111_15.0225.C1.o7.gp	Method	AAT/GAP
Start	34158	End	36415
GI	12252_1.R1084	Score	1850
Exons	34158..34246, 34840..34953, 35210..35501, 35914..36415		
GI Descrip.	'3047104 8.0e-25 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29304	Strand	+
Start	37300	End	38170
Name	OJ991111_15.0225.C1.o6.gs	Method	GENSCAN
Start	37300	End	38168
GI	none	Score	.81

Exons	37300..37863, 37953..38168		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29304	Strand	+
Start	37300	End	38170
Name	OJ991111_15.0225.C1.o5.np	Method	AAT/NAP
Start	37351	End	38165
GI	6006893	Score	370
Exons	37351..37634, 37740..37863, 37953..38165		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29304	Strand	+
Start	37300	End	38170
Name	OJ991111_15.0225.C1.o8.gp	Method	AAT/GAP
Start	37413	End	38170
GI	LIB3433-051-P1-K1-H7	Score	954
Exons	37413..37634, 37740..37863, 37953..38170		
GI Descrip.	'4678222/gb|AAD26967.1|AC007135_3 1.0e-25 (AC007135) unknown protein [Arabidopsis thaliana]'		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29305	Strand	+
Start	45382	End	54023
Name	OJ991111_15.0225.C1.o8.gs	Method	GENSCAN
Start	45382	End	54023
GI	none	Score	.92
Exons	45382..46164, 47097..47224, 47671..47811, 48203..48356, 50145..50204, 50595..51023, 51100..51395, 51854..51983, 52266..52344, 52833..52850, 53068..53266, 53924..54023		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29305	Strand	+
Start	45382	End	54023
Name	OJ991111_15.0225.C1.o6.np	Method	AAT/NAP
Start	50676	End	52803
GI	473874	Score	1242
Exons	50676..51023, 51100..51395, 51854..51983, 52266..52803		
GI Descrip.	(U08285) a membrane-associated salt-inducible protein [Nicotiana tabacum]		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29306	Strand	-
Start	8976	End	9320
Name	OJ991111_15.0225.C1.o2.gp	Method	AAT/GAP
Start	8976	End	9320
GI	1944306	Score	631
Exons	8976..9320		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29307	Strand	-
Start	9231	End	11760
Name	OJ991111_15.0225.C1.o3.gs	Method	GENSCAN
Start	9231	End	11485
GI	none	Score	.81
Exons	9231..9488, 9876..10025, 10127..10291, 10424..10494, 10870..11485		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29307	Strand	-
Start	9231	End	11760
Name	OJ991111_15.0225.C1.o3.np	Method	AAT/NAP
Start	9261	End	11510
GI	2598227	Score	202
Exons	9261..9488, 9876..10041, 10176..10291, 10424..10478, 10881..11023, 11060..11227, 11345..11510		
GI Descrip.	(AJ222585) AT-hook protein 1 [Arabidopsis thaliana]		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29307	Strand	-
Start	9231	End	11760
Name	OJ991111_15.0225.C1.o3.gp	Method	AAT/GAP
Start	11328	End	11760
GI	none	Score	838
Exons	11328..11760		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o10.tm	Method	TBLASTX:Maize
Start	3394	End	3652
GI	none	Score	355
Exons	3394..3651, 3428..3652		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o7.ts	Method	TBLASTX:Soybean
Start	3448	End	3865
GI	none	Score	200
Exons	3448..3681, 3449..3685, 3697..3828, 3701..3865		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o11.tc	Method	TBLASTX:Cress
Start	3454	End	3682
GI	none	Score	190
Exons	3454..3627, 3458..3682		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o4.tm	Method	TBLASTX:Maize
Start	3662	End	4248
GI	none	Score	386
Exons	3662..3916, 3662..3913, 3664..3933, 3898..4014, 3899..4027, 3902..4027, 4016..4246, 4016..4246, 4039..4248, 4053..4247		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o7.tc	Method	TBLASTX:Cress
Start	4217	End	4498

GI	none	Score	304
Exons	4217..4450, 4225..4494, 4226..4498		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o6.ts	Method	TBLASTX:Soybean
Start	4286	End	4579
GI	none	Score	226
Exons	4286..4453, 4296..4562, 4297..4575, 4369..4575, 4514..4579		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o6.tm	Method	TBLASTX:Maize
Start	4322	End	4693
GI	none	Score	172
Exons	4322..4453, 4331..4675, 4332..4682, 4501..4686, 4514..4693		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o2.ts	Method	TBLASTX:Soybean
Start	4607	End	5419
GI	none	Score	142
Exons	4607..4717, 4609..4683, 4703..5149, 4717..5061, 4859..5098, 5105..5419, 5130..5348, 5203..5418		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o4.tc	Method	TBLASTX:Cress
Start	4705	End	5062
GI	none	Score	383
Exons	4705..5061, 4706..5062		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	4712	End	5376
GI	none	Score	568
Exons	4712..5059, 4712..5071, 5054..5374, 5056..5376, 5060..5374, 5061..5375		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o2.tc	Method	TBLASTX:Cress
Start	5063	End	5713
GI	none	Score	277
Exons	5063..5257, 5069..5299, 5152..5298, 5296..5445, 5297..5464, 5474..5683, 5500..5694, 5500..5685, 5687..5713		
Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957

Name	OJ991111_15.0225.C1.o1.tw	Method	TBLASTX:Wheat
Start	5306	End	5707
GI	none	Score	216
Exons	5306..5464, 5311..5445, 5312..5464, 5474..5707, 5500..5703		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o5.tm	Method	TBLASTX:Maize
Start	5380	End	5737
GI	none	Score	573
Exons	5380..5736, 5381..5737		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o1.ts	Method	TBLASTX:Soybean
Start	5612	End	6481
GI	none	Score	1217
Exons	5612..6481, 5612..6475, 6223..6477		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o1.tc	Method	TBLASTX:Cress
Start	5713	End	6408
GI	none	Score	101
Exons	5713..6045, 5716..5835, 5717..6382, 5738..5992, 5887..6120, 6023..6364, 6184..6408, 6226..6384		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o2.tm	Method	TBLASTX:Maize
Start	5738	End	6481
GI	none	Score	1038
Exons	5738..6481, 5747..6475, 6226..6480		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o7.tm	Method	TBLASTX:Maize
Start	7682	End	8827
GI	none	Score	96
Exons	7682..7780, 7864..7938, 8316..8393, 8317..8367, 8360..8446, 8361..8447, 8535..8714, 8535..8714, 8539..8715, 8546..8728, 8789..8827		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o3.ts	Method	TBLASTX:Soybean
Start	7700	End	8714
GI	none	Score	87
Exons	7700..7780, 7708..7788, 7864..7917, 8317..8367, 8360..8446, 8361..8450, 8516..8713, 8517..8714, 8545..8712, 8546..8713		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o5.tc	Method	TBLASTX:Cress
Start	7700	End	8824
GI	none	Score	93
Exons	7700..7780, 7864..7938, 8317..8367, 8360..8446, 8361..8447, 8501..8713, 8535..8714, 8545..8691, 8546..8713, 8789..8824		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o12.tm	Method	TBLASTX:Maize
Start	9898	End	11093
GI	none	Score	83
Exons	9898..9969, 9921..9968, 9963..10037, 9984..10028, 10122..10148, 10126..10149, 10178..10294, 10180..10332, 10182..10289, 10190..10294, 10422..10493, 10424..10492, 10886..10942, 10890..11039, 11025..11054, 11064..11093		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29308	Strand	-
Start	17256	End	18957
Name	OJ991111_15.0225.C1.o4.gp	Method	AAT/GAP
Start	17256	End	18957
GI	none	Score	1288
Exons	17256..17458, 18468..18957		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29309	Strand	
Start	30097	End	35507
Name	OJ991111_15.0225.C1.o9.tm	Method	TBLASTX:Maize
Start	30097	End	33773
GI	none	Score	51
Exons	30097..30144, 30133..30183, 30649..30819, 30653..30820, 30662..30820, 30821..30874, 31673..31804, 31675..31794, 31676..31810, 31797..31817, 32252..32395, 32253..32393, 32254..32403, 32254..32400, 32452..32580, 32472..32582, 33054..33161, 33055..33141, 33057..33143, 33566..33754, 33567..33773		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29309	Strand	
Start	30097	End	35507
Name	OJ991111_15.0225.C1.o4.ts	Method	TBLASTX:Soybean
Start	30653	End	35445
GI	none	Score	239
Exons	30653..30871, 30691..30876, 30692..30874, 31674..31814, 31675..31815, 32253..32390, 32261..32389, 32446..32544, 32452..32580, 32472..32579, 33045..33137, 33046..33141, 33566..33757, 33567..33758, 34083..34244, 34085..34246, 34150..34245, 34837..34956, 34839..34946, 35248..35445, 35255..35434		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29309	Strand	
Start	30097	End	35507

Name	OJ991111_15.0225.C1.o6.tc	Method	TBLASTX:Cress
Start	30779	End	33632
GI	none	Score	95
Exons	30779..30859, 31678..31758, 31678..31755, 31759..31815, 31761..31814, 32248..32388, 32252..32389, 32253..32390, 32253..32393, 32452..32580, 32472..32579, 33045..33137, 33046..33141, 33567..33632		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29309	Strand	
Start	30097	End	35507
Name	OJ991111_15.0225.C1.o2.tw	Method	TBLASTX:Wheat
Start	32445	End	33689
GI	none	Score	191
Exons	32445..32579, 32446..32580, 32473..32580, 33046..33141, 33054..33140, 33566..33682, 33567..33689		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29309	Strand	
Start	30097	End	35507
Name	OJ991111_15.0225.C1.o8.tm	Method	TBLASTX:Maize
Start	34093	End	35507
GI	none	Score	227
Exons	34093..34245, 34097..34246, 34837..34953, 34838..34948, 34839..34949, 35179..35460, 35180..35461, 35208..35453, 35209..35460, 35461..35505, 35463..35507, 35464..35505		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29309	Strand	
Start	30097	End	35507
Name	OJ991111_15.0225.C1.o8.tc	Method	TBLASTX:Cress
Start	35188	End	35469
GI	none	Score	143
Exons	35188..35403, 35198..35434, 35207..35395, 35209..35469		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29310	Strand	
Start	37480	End	38159
Name	OJ991111_15.0225.C1.o10.tc	Method	TBLASTX:Cress
Start	37480	End	38159
GI	none	Score	107
Exons	37480..37632, 37485..37628, 37738..37878, 37866..38159, 38012..38146		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29311	Strand	
Start	45893	End	46164
Name	OJ991111_15.0225.C1.o11.tm	Method	TBLASTX:Maize
Start	45893	End	46164
GI	none	Score	113
Exons	45893..46003, 45907..46164, 45946..46125, 46117..46164		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29312	Strand	
Start	47672	End	52649
Name	OJ991111_15.0225.C1.o3.tc	Method	TBLASTX:Cress
Start	47672	End	52433

GI	none	Score	66
Exons	47672..47797, 50598..50990, 50717..51016, 50718..51026, 50793..51026, 51100..51384, 51100..51396, 51108..51359, 51855..51983, 52266..52433		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29312	Strand	
Start	47672	End	52649
Name	OJ991111_15.0225.C1.o3.tm	Method	TBLASTX:Maize
Start	47672	End	52445
GI	none	Score	75
Exons	47672..47824, 47672..47797, 50144..50206, 50148..50207, 50592..51026, 50592..51023, 50592..50963, 50597..51028, 50607..51005, 50643..51005, 50687..50962, 51096..51260, 51099..51254, 51100..51261, 51100..51396, 51100..51396, 52266..52445		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29312	Strand	
Start	47672	End	52649
Name	OJ991111_15.0225.C1.o8.ts	Method	TBLASTX:Soybean
Start	50589	End	52478
GI	none	Score	122
Exons	50589..50963, 50598..51014, 50787..51026, 50789..51028, 52269..52478		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29312	Strand	
Start	47672	End	52649
Name	OJ991111_15.0225.C1.o5.ts	Method	TBLASTX:Soybean
Start	51105	End	51983
GI	none	Score	309
Exons	51105..51362, 51106..51363, 51843..51983		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29312	Strand	
Start	47672	End	52649
Name	OJ991111_15.0225.C1.o13.tm	Method	TBLASTX:Maize
Start	51860	End	52573
GI	none	Score	130
Exons	51860..51982, 51860..51991, 51861..51992, 51861..51953, 52445..52573, 52446..52571, 52451..52573		

Seq. No.	13757	Seq. ID	OJ991111_15.0225.C1
Gene No.	29312	Strand	
Start	47672	End	52649
Name	OJ991111_15.0225.C1.o9.tc	Method	TBLASTX:Cress
Start	52434	End	52649
GI	none	Score	241
Exons	52434..52649, 52436..52648		

Seq. No.	13758	Seq. ID	OJ991111_15.0225.C2
Gene No.	29313	Strand	-
Start	1048	End	2932
Name	OJ991111_15.0225.C2.o1.gs	Method	GENSCAN
Start	1048	End	2932
GI	none	Score	.79

Exons	1048..1144, 1789..1854, 2844..2932		
Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29314	Strand	+
Start	1	End	1161
Name	OJ991111_15.0225.C3.o1.np	Method	AAT/NAP
Start	1	End	1161
GI	6041814	Score	134
Exons	1..36, 898..1161		
GI Descrip.	(AC009918) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29315	Strand	+
Start	4602	End	6606
Name	OJ991111_15.0225.C3.o1.gp	Method	AAT/GAP
Start	4528	End	6606
GI	2851_1.R1084	Score	1519
Exons	4528..4635, 4727..4872, 5041..5166, 6143..6606		
GI Descrip.	'4510363/gb|AAD21451.1| 3.0e-66 (AC007017) putative DNA-binding protein [Arabidopsis thaliana]'		
Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29315	Strand	+
Start	4602	End	6606
Name	OJ991111_15.0225.C3.o2.np	Method	AAT/NAP
Start	4602	End	6280
GI	4510363	Score	576
Exons	4602..4631, 4729..4872, 5041..5166, 6143..6280		
GI Descrip.	(AC007017) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		
Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29315	Strand	+
Start	4602	End	6606
Name	OJ991111_15.0225.C3.o3.gs	Method	GENSCAN
Start	4602	End	6283
GI	none	Score	.78
Exons	4602..4635, 4727..4872, 5041..5166, 6143..6283		
Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29316	Strand	-
Start	1705	End	3299
Name	OJ991111_15.0225.C3.o2.gs	Method	GENSCAN
Start	1705	End	3299
GI	none	Score	.88
Exons	1705..1760, 2106..2164, 2947..3299		
Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29317	Strand	-
Start	6023	End	8207
Name	OJ991111_15.0225.C3.o1.ts	Method	TBLASTX:Soybean
Start	4578	End	6283
GI	none	Score	35
Exons	4578..4652, 4726..4824, 4813..4872, 5023..5181, 5043..5168, 6142..6282, 6143..6283		
Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3

Gene No.	29317	Strand	-
Start	6023	End	8207
Name	OJ991111_15.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	4726	End	5174
GI	none	Score	127
Exons	4726..4824, 4813..4872, 5023..5169, 5043..5174, 5043..5168		

Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29317	Strand	-
Start	6023	End	8207
Name	OJ991111_15.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	4726	End	6283
GI	none	Score	126
Exons	4726..4824, 4813..4872, 5023..5169, 5043..5168, 6142..6282, 6143..6283		

Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29317	Strand	-
Start	6023	End	8207
Name	OJ991111_15.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	4768	End	6283
GI	none	Score	83
Exons	4768..4824, 4813..4872, 5023..5169, 5043..5168, 6142..6282, 6143..6283, 6152..6283		

Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29317	Strand	-
Start	6023	End	8207
Name	OJ991111_15.0225.C3.o3.np	Method	AAT/NAP
Start	6023	End	8207
GI	5852093	Score	50
Exons	6023..6062, 7751..7861, 8156..8207		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29317	Strand	-
Start	6023	End	8207
Name	OJ991111_15.0225.C3.o2.tc	Method	TBLASTX:Cress
Start	6139	End	6310
GI	none	Score	77
Exons	6139..6285, 6142..6285, 6143..6310, 6167..6286		

Seq. No.	13759	Seq. ID	OJ991111_15.0225.C3
Gene No.	29317	Strand	-
Start	6023	End	8207
Name	OJ991111_15.0225.C3.o4.gs	Method	GENSCAN
Start	6978	End	8195
GI	none	Score	.72
Exons	6978..7056, 8071..8195		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29318	Strand	+
Start	76	End	491
Name	OJ991111_15.0225.C4.o1.gs	Method	GENSCAN
Start	76	End	491
GI	none	Score	.55
Exons	76..201, 262..288, 369..491		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29319	Strand	+
Start	1373	End	2472
Name	OJ991111_15.0225.C4.o2.gs	Method	GENSCAN
Start	1373	End	2362
GI	none	Score	1
Exons	1373..2362		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29319	Strand	+
Start	1373	End	2472
Name	OJ991111_15.0225.C4.o1.gp	Method	AAT/GAP
Start	1427	End	2472
GI	473_1.R1084	Score	2011
Exons	1427..2472		
GI Descrip.	'4539452/emb|CAB39932.1| 4.0e-13 (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29320	Strand	+
Start	9761	End	11446
Name	OJ991111_15.0225.C4.o4.gs	Method	GENSCAN
Start	9761	End	10501
GI	none	Score	1
Exons	9761..10501		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29320	Strand	+
Start	9761	End	11446
Name	OJ991111_15.0225.C4.o2.np	Method	AAT/NAP
Start	9781	End	11446
GI	4510364	Score	183
Exons	9781..9973, 10088..10463, 11224..11446		
GI Descrip.	(AC007017) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29321	Strand	-
Start	920	End	2263
Name	OJ991111_15.0225.C4.o1.np	Method	AAT/NAP
Start	920	End	2263
GI	1841391	Score	1407
Exons	920..973, 1371..2263		
GI Descrip.	(D64039) EL3 [Oryza sativa]		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29322	Strand	-
Start	3822	End	5791
Name	OJ991111_15.0225.C4.o3.gs	Method	GENSCAN
Start	3822	End	5791
GI	none	Score	.54
Exons	3822..3997, 4066..4201, 4301..4438, 4815..4874, 5714..5791		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29323	Strand	-
Start	10142	End	10517
Name	OJ991111_15.0225.C4.o1.tw	Method	TBLASTX:Wheat

Start	1439	End	1822
GI	none	Score	38
Exons	1439..1465, 1537..1632, 1537..1818, 1538..1822, 1609..1722		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29323	Strand	-
Start	10142	End	10517
Name	OJ991111_15.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	1528	End	2305
GI	none	Score	159
Exons	1528..1665, 1529..1666, 1685..1744, 1696..1749, 1784..1948, 1918..2139, 1922..2116, 2126..2305, 2131..2217		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29323	Strand	-
Start	10142	End	10517
Name	OJ991111_15.0225.C4.o2.tm	Method	TBLASTX:Maize
Start	1529	End	1749
GI	none	Score	134
Exons	1529..1639, 1545..1631, 1546..1638, 1547..1639, 1652..1744, 1672..1749		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29323	Strand	-
Start	10142	End	10517
Name	OJ991111_15.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	1531	End	2305
GI	none	Score	130
Exons	1531..1644, 1532..1651, 1684..1749, 1685..1744, 1783..1944, 1784..1948, 1918..2217, 1922..2305		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29323	Strand	-
Start	10142	End	10517
Name	OJ991111_15.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	1787	End	2299
GI	none	Score	81
Exons	1787..1942, 1918..2133, 1922..2074, 2071..2190, 2084..2173, 2180..2251, 2252..2299		

Seq. No.	13760	Seq. ID	OJ991111_15.0225.C4
Gene No.	29323	Strand	-
Start	10142	End	10517
Name	OJ991111_15.0225.C4.o2.gp	Method	AAT/GAP
Start	10142	End	10517
GI	63352_1.R1084	Score	626
Exons	10142..10198, 10228..10517		
GI Descrip.	'4886273/emb|CAB43415.1| 6.0e-11 (AL050300) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29324	Strand	+
Start	4788	End	6263
Name	OJ991111_15.0225.C5.o2.gs	Method	GENSCAN
Start	4788	End	6263
GI	none	Score	.97
Exons	4788..6263		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29325	Strand	+
Start	8658	End	9726
Name	OJ991111_15.0225.C5.o3.gp	Method	AAT/GAP
Start	8658	End	9726
GI	821_1.R1084	Score	2103
Exons	8658..9726		
GI Descrip.	'2801538 1.0e-96 (AF039532) harpin induced gene 1 homolog [Oryza sativa]'		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29326	Strand	+
Start	13721	End	13821
Name	OJ991111_15.0225.C5.o4.gp	Method	AAT/GAP
Start	13721	End	13821
GI	3683_1.R1084	Score	108
Exons	13721..13821		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29327	Strand	-
Start	1	End	2378
Name	OJ991111_15.0225.C5.o1.gp	Method	AAT/GAP
Start	1	End	800
GI	25493_1.R1084	Score	816
Exons	1..60, 173..286, 380..566, 722..800		
GI Descrip.	'4895185/gb|AAD32772.1|AC007661_9 2.0e-35 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29327	Strand	-
Start	1	End	2378
Name	OJ991111_15.0225.C5.o1.gs	Method	GENSCAN
Start	173	End	2329
GI	none	Score	.97
Exons	173..286, 380..566, 722..839, 1159..1287, 1407..1458, 1985..2329		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29327	Strand	-
Start	1	End	2378
Name	OJ991111_15.0225.C5.o2.gp	Method	AAT/GAP
Start	1180	End	2378
GI	24374_1.R1084	Score	868
Exons	1180..1287, 1407..1458, 1985..2135, 2214..2378		
GI Descrip.	'4895185/gb|AAD32772.1|AC007661_9 1.0e-39 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29328	Strand	-
Start	7804	End	9614
Name	OJ991111_15.0225.C5.o3.gs	Method	GENSCAN
Start	7804	End	9614
GI	none	Score	.95
Exons	7804..7932, 8075..8225, 9004..9614		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o3.tm	Method	TBLASTX:Maize
Start	155	End	2337
GI	none	Score	161
Exons	155..289, 156..287, 169..288, 374..568, 380..568, 381..575, 382..576, 724..870, 780..839, 818..877, 1160..1288, 1161..1289, 1164..1289, 1165..1290, 1405..1458, 1406..1456, 1982..2107, 1986..2117, 2223..2288, 2223..2267, 2234..2290, 2320..2337		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o2.ts	Method	TBLASTX:Soybean
Start	5048	End	5429
GI	none	Score	121
Exons	5048..5176, 5049..5177, 5163..5276, 5340..5429		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o9.tm	Method	TBLASTX:Maize
Start	5055	End	5168
GI	none	Score	200
Exons	5055..5168, 5057..5167		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o2.tm	Method	TBLASTX:Maize
Start	5168	End	5591
GI	none	Score	140
Exons	5168..5281, 5169..5285, 5289..5342, 5336..5590, 5337..5591		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o1.tw	Method	TBLASTX:Wheat
Start	5334	End	5600
GI	none	Score	139
Exons	5334..5435, 5336..5434, 5429..5593, 5430..5600		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o8.tm	Method	TBLASTX:Maize
Start	5696	End	5969
GI	none	Score	96
Exons	5696..5773, 5703..5774, 5736..5807, 5793..5894, 5801..5956, 5802..5969		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	8900	End	19402

GI	none	Score	66
Exons	8900..8947, 8947..9048, 8964..9047, 9051..9512, 9052..9315, 9379..9624, 9588..9614, 19055..19177, 19292..19402		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	9282	End	19471
GI	none	Score	94
Exons	9282..9410, 19041..19160, 19043..19198, 19220..19405, 19221..19280, 19409..19471		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o4.gs	Method	GENSCAN
Start	18944	End	26452
GI	none	Score	.89
Exons	18944..19639, 20205..20286, 20350..20374, 21525..21642, 24313..24331, 24726..24872, 25351..25551, 25658..25863, 26314..26452		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o1.tc	Method	TBLASTX:Cress
Start	19043	End	19375
GI	none	Score	143
Exons	19043..19198, 19181..19375		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o4.tm	Method	TBLASTX:Maize
Start	19184	End	19610
GI	none	Score	91
Exons	19184..19291, 19185..19292, 19403..19471, 19404..19610, 19538..19609		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o5.gp	Method	AAT/GAP
Start	21162	End	21616
GI	3760791	Score	600
Exons	21162..21423, 21525..21616		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o7.tm	Method	TBLASTX:Maize
Start	24525	End	25289
GI	none	Score	76
Exons	24525..24617, 24526..24618, 24725..24874, 24726..24875, 25046..25096, 25050..25094, 25179..25223, 25180..25224, 25224..25289, 25225..25287		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o6.gp	Method	AAT/GAP
Start	24593	End	25033
GI	286510	Score	430
Exons	24593..24618, 24726..24872, 24972..25033		
GI Descrip.	5262765/emb|CAB45913.1| 8.0e-13 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o6.tm	Method	TBLASTX:Maize
Start	25374	End	25863
GI	none	Score	91
Exons	25374..25508, 25378..25464, 25524..25550, 25657..25863, 25658..25861		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o5.tm	Method	TBLASTX:Maize
Start	26012	End	26457
GI	none	Score	63
Exons	26012..26113, 26028..26126, 26131..26232, 26138..26233, 26288..26455, 26302..26457		

Seq. No.	13761	Seq. ID	OJ991111_15.0225.C5
Gene No.	29329	Strand	-
Start	18944	End	26460
Name	OJ991111_15.0225.C5.o3.ts	Method	TBLASTX:Soybean
Start	26015	End	26460
GI	none	Score	51
Exons	26015..26113, 26049..26129, 26131..26232, 26143..26223, 26302..26460, 26306..26458		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29330	Strand	-
Start	901	End	1456
Name	OJ991111_15.0225.C6.o1.gs	Method	GENSCAN
Start	901	End	1456
GI	none	Score	.89
Exons	901..1005, 1109..1204, 1286..1456		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029
Name	OJ991111_15.0225.C6.o3.tm	Method	TBLASTX:Maize
Start	3	End	7474
GI	none	Score	231
Exons	3..140, 7219..7425, 7220..7426, 7220..7474		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029

Name	OJ991111_15.0225.C6.o1.tc	Method	TBLASTX:Cress
Start	6	End	7426
GI	none	Score	70
Exons	6..191, 7013..7162, 7074..7169, 7229..7426, 7235..7426		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029
Name	OJ991111_15.0225.C6.o1.gp	Method	AAT/GAP
Start	2773	End	4084
GI	17603_1.R1084	Score	960
Exons	2773..3165, 3961..4084		
GI Descrip.	'4587550/gb|AAD25781.1|AC006577_17 5.0e-12 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029
Name	OJ991111_15.0225.C6.o1.np	Method	AAT/NAP
Start	3039	End	8029
GI	6730754	Score	506
Exons	3039..3165, 3961..4107, 4207..4246, 4274..4316, 4439..4541, 4640..4852, 5172..5410, 6034..6246, 6315..6453, 6900..7001, 7966..8029		
GI Descrip.	(AC016529) unknown protein [Arabidopsis thaliana]		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029
Name	OJ991111_15.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	3055	End	4732
GI	none	Score	172
Exons	3055..3165, 3057..3170, 3058..3165, 3950..4108, 3960..4109, 3960..4109, 3961..4110, 4204..4317, 4226..4318, 4436..4480, 4438..4482, 4473..4541, 4481..4540, 4631..4723, 4639..4731, 4640..4732		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029
Name	OJ991111_15.0225.C6.o2.gs	Method	GENSCAN
Start	3057	End	7423
GI	none	Score	.8
Exons	3057..3165, 3961..4107, 4207..4316, 4439..4538, 4640..4840, 5206..5324, 6034..6246, 6315..6453, 6900..7136, 7218..7423		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029
Name	OJ991111_15.0225.C6.o2.gp	Method	AAT/GAP
Start	4461	End	6075
GI	18293_1.R1084	Score	977
Exons	4461..4538, 4640..4840, 5206..5410, 6034..6075		
GI Descrip.	'100226/pir||S21495 8.0e-25 hypothetical protein - tomato >gi_19275_emb_CAA78112_ (Z12127) protein of unknown function [Lycopersicon esculentum] >gi_445619_prf__1909366A Leu zipper protein [Lycopersicon esculentum]'		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029
Name	OJ991111_15.0225.C6.o2.tm	Method	TBLASTX:Maize
Start	4733	End	7139
GI	none	Score	100
Exons	4733..4801, 4735..4800, 4754..4849, 4795..4839, 5185..5358, 5202..5360, 5205..5360, 5206..5361, 5346..5411, 5363..5413, 5363..5410, 6016..6246, 6019..6246, 6092..6262, 6301..6456, 6306..6410, 6313..6435, 6315..6461, 6320..6451, 6895..6942, 6900..6944, 6945..7040, 6946..7035, 6956..7039, 7016..7138, 7044..7139, 7044..7139		

Seq. No.	13762	Seq. ID	OJ991111_15.0225.C6
Gene No.	29331	Strand	-
Start	3057	End	8029
Name	OJ991111_15.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	6019	End	6477
GI	none	Score	135
Exons	6019..6246, 6034..6246, 6092..6262, 6306..6410, 6310..6456, 6310..6477, 6315..6458		

Seq. No.	13763	Seq. ID	OJ991101_10.0225.C2
Gene No.	29332	Strand	+
Start	206	End	2444
Name	OJ991101_10.0225.C2.o1.np	Method	AAT/NAP
Start	206	End	2444
GI	2213632	Score	662
Exons	206..960, 2420..2444		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	13763	Seq. ID	OJ991101_10.0225.C2
Gene No.	29332	Strand	+
Start	206	End	2444
Name	OJ991101_10.0225.C2.o2.tw	Method	TBLASTX:Wheat
Start	317	End	490
GI	none	Score	219
Exons	317..481, 320..490, 322..489		

Seq. No.	13763	Seq. ID	OJ991101_10.0225.C2
Gene No.	29332	Strand	+
Start	206	End	2444
Name	OJ991101_10.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	448	End	925
GI	none	Score	461
Exons	448..819, 449..820, 670..831, 818..856, 854..925, 860..925		

Seq. No.	13763	Seq. ID	OJ991101_10.0225.C2
Gene No.	29332	Strand	+
Start	206	End	2444
Name	OJ991101_10.0225.C2.o1.tw	Method	TBLASTX:Wheat
Start	491	End	913
GI	none	Score	216
Exons	491..676, 502..666, 679..831, 686..913, 688..903		

Seq. No.	13764	Seq. ID	OJ991101_10.0225.C3

Gene No.	29333	Strand	-
Start	2383	End	3789
Name	OJ991101_10.0225.C3.o2.gs	Method	GENSCAN
Start	2383	End	3789
GI	none	Score	.97
Exons	2383..2500, 3704..3789		

Seq. No.	13764	Seq. ID	OJ991101_10.0225.C3
Gene No.	29334	Strand	-
Start	6414	End	7057
Name	OJ991101_10.0225.C3.o3.gs	Method	GENSCAN
Start	6414	End	7057
GI	none	Score	.67
Exons	6414..6521, 6698..7057		

Seq. No.	13764	Seq. ID	OJ991101_10.0225.C3
Gene No.	29335	Strand	-
Start	7130	End	7558
Name	OJ991101_10.0225.C3.o4.gs	Method	GENSCAN
Start	7130	End	7558
GI	none	Score	.68
Exons	7130..7368, 7456..7558		

Seq. No.	13764	Seq. ID	OJ991101_10.0225.C3
Gene No.	29336	Strand	-
Start	8307	End	8607
Name	OJ991101_10.0225.C3.o5.gs	Method	GENSCAN
Start	8307	End	8607
GI	none	Score	.5
Exons	8307..8383, 8517..8607		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29337	Strand	+
Start	1	End	6254
Name	OJ991101_10.0225.C4.o1.np	Method	AAT/NAP
Start	1	End	1933
GI	2496803	Score	94
Exons	1..171, 1903..1933		
GI Descrip.	HYPOTHETICAL 39.0 KD PROTEIN SLR1821 gi|1652842|dbj|BAA17761| (D90908) hypothetical protein [Synechocystis sp.]		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29337	Strand	+
Start	1	End	6254
Name	OJ991101_10.0225.C4.o2.np	Method	AAT/NAP
Start	1	End	3251
GI	6006359	Score	93
Exons	1..142, 1395..1506, 3201..3251		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29337	Strand	+
Start	1	End	6254
Name	OJ991101_10.0225.C4.o1.gs	Method	GENSCAN
Start	59	End	2482
GI	none	Score	.67
Exons	59..318, 824..907, 2017..2172, 2441..2482		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29337	Strand	+
Start	1	End	6254
Name	OJ991101_10.0225.C4.o3.np	Method	AAT/NAP
Start	2951	End	6254
GI	5295951	Score	148
Exons	2951..3158, 3311..3604, 6215..6254		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29338	Strand	+
Start	9053	End	15010
Name	OJ991101_10.0225.C4.o5.np	Method	AAT/NAP
Start	9053	End	14706
GI	6705984	Score	386
Exons	9053..9100, 14320..14706		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29338	Strand	+
Start	9053	End	15010
Name	OJ991101_10.0225.C4.o6.np	Method	AAT/NAP
Start	13705	End	15010
GI	6815099	Score	89
Exons	13705..13734, 14192..14243, 14858..15010		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29339	Strand	-
Start	4443	End	4755
Name	OJ991101_10.0225.C4.o1.gp	Method	AAT/GAP
Start	4443	End	4755
GI	72524_1.R1084	Score	420
Exons	4443..4755		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29340	Strand	-
Start	6032	End	9837
Name	OJ991101_10.0225.C4.o4.np	Method	AAT/NAP
Start	6032	End	9837
GI	5091513	Score	1132
Exons	6032..6521, 7513..8884, 9664..9837		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29341	Strand	-
Start	11030	End	11338
Name	OJ991101_10.0225.C4.o2.gp	Method	AAT/GAP
Start	11030	End	11338
GI	72524_1.R1084	Score	441
Exons	11030..11338		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29342	Strand	
Start	14437	End	14682
Name	OJ991101_10.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	14437	End	14682
GI	none	Score	241
Exons	14437..14631, 14438..14635, 14638..14682		

Seq. No.	13765	Seq. ID	OJ991101_10.0225.C4
Gene No.	29343	Strand	
Start	15130	End	15613
Name	OJ991101_10.0225.C4.o2.tm	Method	TBLASTX:Maize
Start	15130	End	15613
GI	none	Score	50
Exons	15130..15237, 15136..15237, 15225..15506, 15238..15420, 15240..15428, 15424..15474, 15425..15538, 15426..15557, 15497..15613, 15527..15613		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29344	Strand	+
Start	2097	End	4045
Name	OJ991101_10.0225.C5.o1.gs	Method	GENSCAN
Start	2097	End	4045
GI	none	Score	.48
Exons	2097..2141, 2667..2853, 2917..3229, 3249..3275, 3295..3419, 3915..4045		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29345	Strand	+
Start	6373	End	11882
Name	OJ991101_10.0225.C5.o4.np	Method	AAT/NAP
Start	6373	End	11616
GI	4680186	Score	363
Exons	6373..6395, 10525..10577, 11416..11616		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29345	Strand	+
Start	6373	End	11882
Name	OJ991101_10.0225.C5.o3.gs	Method	GENSCAN
Start	7357	End	10421
GI	none	Score	.64
Exons	7357..7367, 7688..8043, 8697..8786, 8962..9131, 9228..9300, 9465..9589, 9656..9849, 10061..10421		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29345	Strand	+
Start	6373	End	11882
Name	OJ991101_10.0225.C5.o3.np	Method	AAT/NAP
Start	9003	End	11882
GI	6721561	Score	694
Exons	9003..9071, 9656..9849, 9919..9977, 10061..10463, 11774..11882		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29346	Strand	+
Start	15630	End	16722
Name	OJ991101_10.0225.C5.o6.np	Method	AAT/NAP
Start	15630	End	16722
GI	4680186	Score	392
Exons	15630..15683, 16522..16722		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29347	Strand	-
Start	1	End	7273
Name	OJ991101_10.0225.C5.o1.np	Method	AAT/NAP
Start	1	End	6695
GI	5295971	Score	520
Exons	1..23, 2294..3250, 6633..6695		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29347	Strand	-
Start	1	End	7273
Name	OJ991101_10.0225.C5.o2.gs	Method	GENSCAN
Start	5617	End	6750
GI	none	Score	.95
Exons	5617..6016, 6710..6750		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29347	Strand	-
Start	1	End	7273
Name	OJ991101_10.0225.C5.o2.np	Method	AAT/NAP
Start	5620	End	7273
GI	6900306	Score	438
Exons	5620..6011, 7135..7273		
GI Descrip.	(AJ250282) putative acid phosphatase [Hordeum vulgare]		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29348	Strand	-
Start	11605	End	14336
Name	OJ991101_10.0225.C5.o1.gp	Method	AAT/GAP
Start	11168	End	11549
GI	uC-osflcyp033a04b1	Score	647
Exons	11168..11549		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29348	Strand	-
Start	11605	End	14336
Name	OJ991101_10.0225.C5.o4.gs	Method	GENSCAN
Start	11605	End	14171
GI	none	Score	.55
Exons	11605..12947, 13134..13203, 13209..13407, 13423..13848, 13972..14171		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29348	Strand	-
Start	11605	End	14336
Name	OJ991101_10.0225.C5.o5.np	Method	AAT/NAP
Start	11684	End	14336
GI	4680179	Score	2561
Exons	11684..13215, 13249..14336		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o3.ts	Method	TBLASTX:Soybean
Start	2558	End	3050
GI	none	Score	79
Exons	2558..2755, 2759..2869, 2851..2946, 2955..3050, 2959..3042		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o4.tm	Method	TBLASTX:Maize
Start	2636	End	3077
GI	none	Score	47
Exons	2636..2707, 2720..2758, 2759..2875, 2760..2894, 2851..2946, 2871..2957, 2958..3077, 2959..3066		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o6.tw	Method	TBLASTX:Wheat
Start	2955	End	3248
GI	none	Score	64
Exons	2955..3248, 2959..3066		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o7.tw	Method	TBLASTX:Wheat
Start	5589	End	5731
GI	none	Score	112
Exons	5589..5708, 5623..5730, 5624..5731		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o1.tc	Method	TBLASTX:Cress
Start	5623	End	6010
GI	none	Score	121
Exons	5623..5772, 5624..5773, 5806..6009, 5822..6010		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o2.ts	Method	TBLASTX:Soybean
Start	5623	End	6007
GI	none	Score	144

Exons	5623..5772, 5624..5770, 5842..6006, 5849..6007		
Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	5663	End	6013
GI	none	Score	144
Exons	5663..5770, 5663..5761, 5665..5790, 5665..5784, 5778..5888, 5803..6006, 5804..6013		
Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o5.tw	Method	TBLASTX:Wheat
Start	8817	End	14153
GI	none	Score	118
Exons	8817..8876, 13894..14091, 13896..14093, 14106..14153		
Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o1.tw	Method	TBLASTX:Wheat
Start	11716	End	12117
GI	none	Score	318
Exons	11716..12117, 11717..12115		
Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o2.tm	Method	TBLASTX:Maize
Start	11779	End	12279
GI	none	Score	50
Exons	11779..12093, 11822..11872, 11900..11953, 12100..12279, 12152..12271		
Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	11830	End	12225
GI	none	Score	193
Exons	11830..12189, 11831..12121, 12156..12188, 12193..12225, 12194..12223		
Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o2.tw	Method	TBLASTX:Wheat
Start	12166	End	12652
GI	none	Score	247
Exons	12166..12543, 12209..12652		
Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o3.tm	Method	TBLASTX:Maize

Start	12347	End	12631
GI	none	Score	179
Exons	12347..12631, 12349..12630		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o4.tw	Method	TBLASTX:Wheat
Start	12817	End	13186
GI	none	Score	75
Exons	12817..12930, 12818..12931, 12976..13185, 12977..13186		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o3.tw	Method	TBLASTX:Wheat
Start	13509	End	13860
GI	none	Score	103
Exons	13509..13859, 13666..13860		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o5.tm	Method	TBLASTX:Maize
Start	13554	End	13859
GI	none	Score	81
Exons	13554..13859, 13753..13845		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o5.gs	Method	GENSCAN
Start	14585	End	16531
GI	none	Score	.94
Exons	14585..15391, 16487..16531		

Seq. No.	13766	Seq. ID	OJ991101_10.0225.C5
Gene No.	29349	Strand	-
Start	14585	End	16655
Name	OJ991101_10.0225.C5.o2.gp	Method	AAT/GAP
Start	16274	End	16655
GI	uC-osflcyp033a04b1	Score	647
Exons	16274..16655		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592
Name	OJ991101_10.0225.C6.o1.gs	Method	GENSCAN
Start	687	End	2390
GI	none	Score	.77
Exons	687..1153, 1193..2390		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592

Name	OJ991101_10.0225.C6.o1.np	Method	AAT/NAP
Start	705	End	2592
GI	4680179	Score	2322
Exons	705..2399, 2548..2592		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592
Name	OJ991101_10.0225.C6.o3.tw	Method	TBLASTX:Wheat
Start	750	End	1083
GI	none	Score	126
Exons	750..1082, 814..1083		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592
Name	OJ991101_10.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	930	End	1529
GI	none	Score	246
Exons	930..1370, 946..1368, 1368..1529, 1375..1521		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592
Name	OJ991101_10.0225.C6.o1.tw	Method	TBLASTX:Wheat
Start	1083	End	1709
GI	none	Score	231
Exons	1083..1709, 1084..1521, 1368..1646		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592
Name	OJ991101_10.0225.C6.o2.tm	Method	TBLASTX:Maize
Start	1578	End	1870
GI	none	Score	202
Exons	1578..1868, 1582..1869, 1718..1870		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592
Name	OJ991101_10.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	1668	End	1928
GI	none	Score	145
Exons	1668..1928, 1669..1923		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592
Name	OJ991101_10.0225.C6.o1.tc	Method	TBLASTX:Cress
Start	1692	End	2009
GI	none	Score	84
Exons	1692..1835, 1693..1833, 1836..2009		

Seq. No.	13767	Seq. ID	OJ991101_10.0225.C6
Gene No.	29350	Strand	-
Start	687	End	2592

Name	OJ991101_10.0225.C6.o2.tw	Method	TBLASTX:Wheat
Start	1716	End	2252
GI	none	Score	337
Exons	1716..2252, 1717..2196		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29351	Strand	+
Start	121	End	3778
Name	OJ991101_10.0225.C7.o1.gs	Method	GENSCAN
Start	121	End	3778
GI	none	Score	.75
Exons	121..360, 453..627, 2519..2894, 3035..3180, 3291..3778		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29351	Strand	+
Start	121	End	3778
Name	OJ991101_10.0225.C7.o1.gp	Method	AAT/GAP
Start	1441	End	1822
GI	uC-osf1cyp033a04b1	Score	635
Exons	1441..1822		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29351	Strand	+
Start	121	End	3778
Name	OJ991101_10.0225.C7.o2.np	Method	AAT/NAP
Start	2519	End	2895
GI	6721561	Score	408
Exons	2519..2895		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29352	Strand	+
Start	10581	End	11195
Name	OJ991101_10.0225.C7.o5.np	Method	AAT/NAP
Start	10581	End	11195
GI	6721512	Score	65
Exons	10581..10758, 10847..11008, 11036..11195		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29353	Strand	+
Start	19900	End	32655
Name	OJ991101_10.0225.C7.o5.gs	Method	GENSCAN
Start	19900	End	32655
GI	none	Score	.6
Exons	19900..19961, 20073..20202, 20360..20455, 22432..22509, 22629..23239, 23997..24493, 26361..26408, 28544..28647, 32407..32655		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29354	Strand	-

Start	1	End	7546
Name	OJ991101_10.0225.C7.o1.np	Method	AAT/NAP
Start	1	End	5311
GI	5852180	Score	426
Exons	1..516, 568..686, 1671..1724, 4243..4344, 5280..5311		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29354	Strand	-
Start	1	End	7546
Name	OJ991101_10.0225.C7.o3.np	Method	AAT/NAP
Start	4424	End	7546
GI	5902445	Score	3005
Exons	4424..5671, 5711..7546		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29355	Strand	-
Start	7613	End	12116
Name	OJ991101_10.0225.C7.o4.np	Method	AAT/NAP
Start	7613	End	12116
GI	5902444	Score	907
Exons	7613..9262, 9449..9672, 12046..12116		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o4.tw	Method	TBLASTX:Wheat
Start	1957	End	7030
GI	none	Score	56
Exons	1957..2001, 6606..6983, 6608..7030, 6770..7027		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o8.tw	Method	TBLASTX:Wheat
Start	4433	End	5044
GI	none	Score	79
Exons	4433..4564, 4589..4753, 4646..5044, 4788..4895, 4941..5030		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o7.tm	Method	TBLASTX:Maize
Start	4937	End	17330
GI	none	Score	292
Exons	4937..5095, 16866..17330		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o6.tw	Method	TBLASTX:Wheat
Start	5168	End	5551
GI	none	Score	189
Exons	5168..5551, 5169..5543		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o4.tm	Method	TBLASTX:Maize
Start	5246	End	5551
GI	none	Score	169
Exons	5246..5551, 5247..5534		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o14.tw	Method	TBLASTX:Wheat
Start	5693	End	6049
GI	none	Score	83
Exons	5693..6049, 5874..6017		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o9.tw	Method	TBLASTX:Wheat
Start	6053	End	6460
GI	none	Score	101
Exons	6053..6226, 6234..6407, 6236..6460		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o2.ts	Method	TBLASTX:Soybean
Start	6551	End	6952
GI	none	Score	96
Exons	6551..6952, 6792..6950		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o5.tm	Method	TBLASTX:Maize
Start	6704	End	7060
GI	none	Score	145
Exons	6704..7060, 6705..6983		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o2.tm	Method	TBLASTX:Maize
Start	7115	End	7471
GI	none	Score	229
Exons	7115..7471, 7116..7409, 7205..7417		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o3.tw	Method	TBLASTX:Wheat
Start	7145	End	7601
GI	none	Score	408
Exons	7145..7600, 7146..7601		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7

Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o6.ts	Method	TBLASTX:Soybean
Start	7196	End	7561
GI	none	Score	112
Exons	7196..7330, 7337..7561		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o13.tw	Method	TBLASTX:Wheat
Start	7793	End	8247
GI	none	Score	39
Exons	7793..7861, 7803..7865, 7931..8026, 7954..8028, 8065..8247, 8066..8239		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o10.tw	Method	TBLASTX:Wheat
Start	8830	End	9228
GI	none	Score	77
Exons	8830..9228, 8921..9214		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o7.tw	Method	TBLASTX:Wheat
Start	13300	End	18765
GI	none	Score	168
Exons	13300..13395, 18369..18590, 18391..18564, 18625..18765		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o12.tw	Method	TBLASTX:Wheat
Start	14364	End	14716
GI	none	Score	34
Exons	14364..14387, 14364..14468, 14392..14466, 14394..14468, 14482..14571, 14494..14568, 14495..14572, 14498..14569, 14502..14570, 14561..14641, 14572..14643, 14573..14635, 14644..14715, 14645..14716		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o4.gs	Method	GENSCAN
Start	14852	End	18659
GI	none	Score	.55
Exons	14852..15486, 15598..16089, 16460..16772, 17133..18659		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o6.np	Method	AAT/NAP
Start	14855	End	18659
GI	6630696	Score	6036

Exons	14855..18659		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o2.tw	Method	TBLASTX:Wheat
Start	14991	End	15466
GI	none	Score	355
Exons	14991..15377, 14993..15376, 15024..15383, 15378..15461, 15391..15465, 15392..15466, 15393..15461, 15397..15465		
Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o4.ts	Method	TBLASTX:Soybean
Start	15119	End	15460
GI	none	Score	87
Exons	15119..15328, 15198..15323, 15341..15460, 15357..15425		
Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o6.tm	Method	TBLASTX:Maize
Start	15323	End	15670
GI	none	Score	244
Exons	15323..15670, 15324..15656, 15326..15664		
Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o5.ts	Method	TBLASTX:Soybean
Start	15473	End	15821
GI	none	Score	70
Exons	15473..15661, 15474..15659, 15662..15820, 15693..15821		
Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o5.tw	Method	TBLASTX:Wheat
Start	15674	End	16219
GI	none	Score	56
Exons	15674..15880, 15702..15806, 15875..16219, 15899..15967, 15927..16199		
Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o3.tm	Method	TBLASTX:Maize
Start	15755	End	16220
GI	none	Score	95
Exons	15755..16219, 15858..16064, 16004..16066, 16089..16220		
Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-

Start	14852	End	18765
Name	OJ991101_10.0225.C7.o1.ts	Method	TBLASTX:Soybean
Start	15890	End	16354
GI	5509260	Score	40
Exons	15890..16354, 16035..16067, 16098..16262		
GI Descrip.	-		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o1.tc	Method	TBLASTX:Cress
Start	16001	End	16262
GI	none	Score	105
Exons	16001..16261, 16089..16262		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o1.tw	Method	TBLASTX:Wheat
Start	16274	End	17030
GI	none	Score	65
Exons	16274..16366, 16277..16378, 16278..16379, 16287..16379, 16376..16456, 16381..16458, 16383..17030, 16394..16510, 16525..17022		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o3.ts	Method	TBLASTX:Soybean
Start	16680	End	17078
GI	none	Score	87
Exons	16680..16853, 16857..17078, 16858..17007		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o11.tw	Method	TBLASTX:Wheat
Start	17058	End	17369
GI	none	Score	63
Exons	17058..17369, 17059..17136, 17161..17250		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o7.ts	Method	TBLASTX:Soybean
Start	17088	End	17468
GI	none	Score	85
Exons	17088..17336, 17319..17468		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	17418	End	17822
GI	none	Score	240
Exons	17418..17480, 17478..17822, 17499..17798, 17515..17799		

Seq. No.	13768	Seq. ID	OJ991101_10.0225.C7
Gene No.	29356	Strand	-
Start	14852	End	18765
Name	OJ991101_10.0225.C7.o8.tm	Method	TBLASTX:Maize
Start	18312	End	18593
GI	none	Score	.129
Exons	18312..18578, 18312..18593		

Seq. No.	13769	Seq. ID	OJ991101_10.0225.C8
Gene No.	29357	Strand	+
Start	306	End	455
Name	OJ991101_10.0225.C8.o1.gs	Method	GENSCAN
Start	306	End	455
GI	none	Score	.72
Exons	306..455		

Seq. No.	13769	Seq. ID	OJ991101_10.0225.C8
Gene No.	29358	Strand	-
Start	1190	End	1994
Name	OJ991101_10.0225.C8.o2.gs	Method	GENSCAN
Start	1190	End	1994
GI	none	Score	.75
Exons	1190..1334, 1909..1994		

Seq. No.	13769	Seq. ID	OJ991101_10.0225.C8
Gene No.	29359	Strand	-
Start	2369	End	5825
Name	OJ991101_10.0225.C8.o3.gs	Method	GENSCAN
Start	2369	End	5825
GI	none	Score	.88
Exons	2369..2490, 4326..4450, 4886..5049, 5264..5342, 5812..5825		

Seq. No.	13770	Seq. ID	OJ991101_10.0225.C9
Gene No.	29360	Strand	+
Start	81	End	1874
Name	OJ991101_10.0225.C9.o1.gs	Method	GENSCAN
Start	81	End	1874
GI	none	Score	.44
Exons	81..126, 782..797, 1807..1874		

Seq. No.	13770	Seq. ID	OJ991101_10.0225.C9
Gene No.	29361	Strand	-
Start	3635	End	6957
Name	OJ991101_10.0225.C9.o1.np	Method	AAT/NAP
Start	3635	End	6957
GI	6721512	Score	66
Exons	3635..3657, 4934..5073, 6934..6957		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13771	Seq. ID	OJ991101_10.0225.C10
Gene No.	29362	Strand	-
Start	2473	End	4684
Name	OJ991101_10.0225.C10.o1.np	Method	AAT/NAP
Start	2473	End	4684
GI	3249083	Score	62
Exons	2473..2551, 4486..4684		
GI Descrip.	(AC004473) Contains similarity to heat shock transcription		

factor homolog gb|2244754 from A. thaliana chromosome 4 contig gb|Z97335. [Arabidopsis thaliana]

Seq. No.	13771	Seq. ID	OJ991101_10.0225.C10
Gene No.	29362	Strand	-
Start	2473	End	4684
Name	OJ991101_10.0225.C10.o1.tc	Method	TBLASTX:Cress
Start	4094	End	4636
GI	none	Score	112
Exons	4094..4288, 4403..4450, 4511..4636		

Seq. No.	13772	Seq. ID	OJ991101_10.0225.C11
Gene No.	29363	Strand	+
Start	372	End	552
Name	OJ991101_10.0225.C11.o1.gs	Method	GENSCAN
Start	372	End	552
GI	none	Score	.54
Exons	372..386, 403..552		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29364	Strand	+
Start	504	End	971
Name	OJ991101_10.0225.C12.o1.gp	Method	AAT/GAP
Start	504	End	971
GI	4861_1.R1084	Score	901
Exons	504..971		
GI Descrip.	'4557026/ref|NP_003913.1|pHERC1| 2.0e-14 guanine nucleotide exchange factor p532 >gi_1477565 (U50078) p532 [Homo sapiens]'		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29365	Strand	+
Start	5752	End	8024
Name	OJ991101_10.0225.C12.o2.gs	Method	GENSCAN
Start	5752	End	8024
GI	none	Score	.8
Exons	5752..5810, 7553..8024		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29366	Strand	-
Start	18	End	4922
Name	OJ991101_10.0225.C12.o1.gs	Method	GENSCAN
Start	18	End	4922
GI	none	Score	.49
Exons	18..34, 854..1191, 1672..2040, 3702..4244, 4613..4640, 4828..4922		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29366	Strand	-
Start	18	End	4922
Name	OJ991101_10.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	610	End	2043
GI	none	Score	42
Exons	610..672, 611..664, 612..674, 612..668, 698..724, 699..725, 699..737, 700..741, 770..814, 830..1033, 832..1194, 835..1194, 836..1207, 1026..1208, 1466..1600, 1468..1584, 1472..1603, 1744..1833, 1819..1887, 1820..1888, 1888..1995, 1925..1996, 1954..2043		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29366	Strand	-
Start	18	End	4922
Name	OJ991101_10.0225.C12.o2.ts	Method	TBLASTX:Soybean
Start	874	End	1083
GI	none	Score	125
Exons	874..1083, 902..1033		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29366	Strand	-
Start	18	End	4922
Name	OJ991101_10.0225.C12.o1.np	Method	AAT/NAP
Start	936	End	4172
GI	5478530	Score	250
Exons	936..1191, 1477..1584, 1672..2040, 2368..2417, 2664..2772, 3954..4172		
GI Descrip.	(AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29366	Strand	-
Start	18	End	4922
Name	OJ991101_10.0225.C12.o1.ts	Method	TBLASTX:Soybean
Start	1112	End	2053
GI	none	Score	95
Exons	1112..1192, 1114..1194, 1466..1600, 1468..1584, 1472..1597, 1664..1906, 1664..1750, 1669..1914, 1684..1914, 1738..1890, 1753..1893, 1819..1887, 1880..1984, 1888..2043, 1906..2016, 1913..2053, 1915..2043, 1925..2041		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29366	Strand	-
Start	18	End	4922
Name	OJ991101_10.0225.C12.o2.gp	Method	AAT/GAP
Start	1549	End	1976
GI	3766635	Score	658
Exons	1549..1584, 1672..1976		
GI Descrip.	4557026/ref|NP_003913.1|pHERC1| 2.0e-14 guanine nucleotide exchange factor p532 >gi_1477565 (U50078) p532 [Homo sapiens]		

Seq. No.	13773	Seq. ID	OJ991101_10.0225.C12
Gene No.	29366	Strand	-
Start	18	End	4922
Name	OJ991101_10.0225.C12.o3.gp	Method	AAT/GAP
Start	3989	End	4441
GI	2312335	Score	796
Exons	3989..4441		

Seq. No.	13774	Seq. ID	OJ991201_19.0222.C1
Gene No.	29367	Strand	+
Start	183	End	1148
Name	OJ991201_19.0222.C1.o1.gs	Method	GENSCAN
Start	183	End	1148
GI	none	Score	.96
Exons	183..707, 816..1148		

Seq. No.	13774	Seq. ID	OJ991201_19.0222.C1

Gene No.	29368	Strand	+
Start	2094	End	5702
Name	OJ991201_19.0222.C1.o2.gs	Method	GENSCAN
Start	2094	End	5702
GI	none	Score	.78
Exons	2094..2215, 2293..2344, 3977..3995, 4534..4650, 4965..5084, 5203..5324, 5484..5702		

Seq. No.	13774	Seq. ID	OJ991201_19.0222.C1
Gene No.	29369	Strand	-
Start	6223	End	6299
Name	OJ991201_19.0222.C1.o3.gs	Method	GENSCAN
Start	6223	End	6299
GI	none	Score	.79
Exons	6223..6299		

Seq. No.	13775	Seq. ID	OJ991201_19.0222.C2
Gene No.	29370	Strand	+
Start	1715	End	1986
Name	OJ991201_19.0222.C2.o2.gp	Method	AAT/GAP
Start	1715	End	1986
GI	61605_1.R1084	Score	454
Exons	1715..1986		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13775	Seq. ID	OJ991201_19.0222.C2
Gene No.	29371	Strand	-
Start	1	End	1518
Name	OJ991201_19.0222.C2.o1.np	Method	AAT/NAP
Start	1	End	1518
GI	4680179	Score	687
Exons	1..20, 360..1178, 1460..1518		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13775	Seq. ID	OJ991201_19.0222.C2
Gene No.	29371	Strand	-
Start	1	End	1518
Name	OJ991201_19.0222.C2.o1.gs	Method	GENSCAN
Start	376	End	1173
GI	none	Score	.93
Exons	376..842, 945..1173		

Seq. No.	13775	Seq. ID	OJ991201_19.0222.C2
Gene No.	29371	Strand	-
Start	1	End	1518
Name	OJ991201_19.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	484	End	774
GI	none	Score	41
Exons	484..546, 511..774, 587..748		

Seq. No.	13775	Seq. ID	OJ991201_19.0222.C2
Gene No.	29371	Strand	-
Start	1	End	1518
Name	OJ991201_19.0222.C2.o1.gp	Method	AAT/GAP
Start	592	End	1079
GI	uC-osflcyp162a07a1	Score	668

Exons	592..747, 847..1079		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	13775	Seq. ID	OJ991201_19.0222.C2
Gene No.	29371	Strand	-
Start	1	End	1518
Name	OJ991201_19.0222.C2.o1.tw	Method	TBLASTX:Wheat
Start	655	End	1011
GI	none	Score	76
Exons	655..1011, 656..796, 838..1002		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29372	Strand	+
Start	1330	End	5245
Name	OJ991201_19.0222.C3.o1.gs	Method	GENSCAN
Start	1330	End	5245
GI	none	Score	.52
Exons	1330..1536, 1707..1873, 1984..2044, 3708..4495, 4563..4716, 5090..5245		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29372	Strand	+
Start	1330	End	5245
Name	OJ991201_19.0222.C3.o1.np	Method	AAT/NAP
Start	3030	End	4409
GI	6967112	Score	389
Exons	3030..3167, 3234..3373, 3473..3623, 3708..4409		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29373	Strand	+
Start	13429	End	18721
Name	OJ991201_19.0222.C3.o3.gs	Method	GENSCAN
Start	13429	End	18721
GI	none	Score	.81
Exons	13429..13488, 14522..14606, 16333..16423, 16467..16659, 16900..17123, 17365..17624, 17797..17854, 17964..18115, 18585..18721		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29373	Strand	+
Start	13429	End	18721
Name	OJ991201_19.0222.C3.o5.gp	Method	AAT/GAP
Start	15466	End	15533
GI	25165_1.R1084	Score	107
Exons	15466..15533		
GI Descrip.	'4530126/gb|AAD21872.1| 4.0e-15 (AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]'		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29374	Strand	+
Start	25474	End	29060
Name	OJ991201_19.0222.C3.o5.gs	Method	GENSCAN
Start	25474	End	29060
GI	none	Score	.59
Exons	25474..25812, 26072..26152, 28488..29060		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o2.np	Method	AAT/NAP
Start	1	End	12015
GI	4680182	Score	426
Exons	1..40, 8675..8793, 9015..9160, 11647..12015		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o5.np	Method	AAT/NAP
Start	2075	End	33964
GI	5852175	Score	212
Exons	2075..2138, 4554..4590, 5206..5301, 5872..5928, 28589..28727, 29209..29234, 33817..33964		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o5.tm	Method	TBLASTX:Maize
Start	3103	End	3288
GI	none	Score	42
Exons	3103..3153, 3105..3170, 3147..3287, 3150..3287, 3151..3288		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o2.tm	Method	TBLASTX:Maize
Start	3300	End	3582
GI	none	Score	331
Exons	3300..3581, 3302..3577, 3315..3581, 3316..3582		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	3678	End	4079
GI	none	Score	188
Exons	3678..3905, 3915..4079		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	3705	End	4089
GI	none	Score	490
Exons	3705..4034, 3710..4087, 3711..4088, 3874..4089		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	3755	End	4166

GI	none	Score	448
Exons	3755..4138, 3756..4139, 3759..4166		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o3.tm	Method	TBLASTX:Maize
Start	4112	End	4352
GI	none	Score	289
Exons	4112..4264, 4113..4352, 4116..4334		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o1.gp	Method	AAT/GAP
Start	4241	End	4327
GI	LIB3479-011-Q6-K1-B8	Score	150
Exons	4241..4327		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 6.0e-34 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o2.gp	Method	AAT/GAP
Start	4423	End	4694
GI	61605_1.R1084	Score	446
Exons	4423..4694		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o2.gs	Method	GENSCAN
Start	6733	End	12015
GI	none	Score	.44
Exons	6733..6924, 6980..7214, 7256..8031, 11647..12015		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o3.np	Method	AAT/NAP
Start	7005	End	25016
GI	5902444	Score	1715
Exons	7005..7023, 19925..20421, 21922..22654, 24205..25016		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o2.ts	Method	TBLASTX:Soybean
Start	11671	End	11988
GI	none	Score	118
Exons	11671..11805, 11794..11988		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3

Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o4.tm	Method	TBLASTX:Maize
Start	11786	End	12018
GI	none	Score	155
Exons	11786..11884, 11788..12018, 11789..12016		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o3.gp	Method	AAT/GAP
Start	12864	End	13081
GI	76798_1.R1084	Score	317
Exons	12864..13081		
GI Descrip.	'773414 1.0e-13 (U23751) beta galactosidase [Cloning vector pBBR1MCS-2] >gi_833819 (U25059) LacZ alpha peptide [Cloning vector pBBR1MCS-3] >gi_833823 (U25060) LacZ alpha peptide [Cloning vector pBBR1MCS-4] >gi_833827 (U25061) LacZ alpha peptide [Cloning vector pBBR1MCS-5]'		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o4.gp	Method	AAT/GAP
Start	14676	End	15105
GI	none	Score	616
Exons	14676..14989, 15071..15105		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o6.gp	Method	AAT/GAP
Start	17761	End	18044
GI	LIB3432-050-P1-K1-E5	Score	514
Exons	17761..18044		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o7.gp	Method	AAT/GAP
Start	18329	End	18401
GI	none	Score	113
Exons	18329..18401		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o4.gs	Method	GENSCAN
Start	20051	End	25016
GI	none	Score	.69
Exons	20051..20269, 22081..22352, 22441..22621, 24367..24670, 24892..25016		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-

Start	1	End	33964
Name	OJ991201_19.0222.C3.o2.tw	Method	TBLASTX:Wheat
Start	20111	End	20434
GI	none	Score	187
Exons	20111..20434		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o8.gp	Method	AAT/GAP
Start	25855	End	26128
GI	61605_1.R1084	Score	464
Exons	25855..26128		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o4.np	Method	AAT/NAP
Start	26500	End	28636
GI	6063554	Score	237
Exons	26500..26613, 27389..27449, 28093..28120, 28589..28636		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o9.gp	Method	AAT/GAP
Start	26644	End	26908
GI	61605_3.R1084	Score	433
Exons	26644..26908		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o10.gp	Method	AAT/GAP
Start	28040	End	28120
GI	61605_1.R1084	Score	101
Exons	28040..28120		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o11.gp	Method	AAT/GAP
Start	29911	End	30343
GI	2428185	Score	742
Exons	29911..30343		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	13776	Seq. ID	OJ991201_19.0222.C3
Gene No.	29375	Strand	-
Start	1	End	33964
Name	OJ991201_19.0222.C3.o6.gs	Method	GENSCAN
Start	31052	End	33854
GI	none	Score	.73
Exons	31052..31192, 31246..31451, 31838..31890, 33069..33154, 33173..33195, 33680..33854		

Seq. No.	13777	Seq. ID	OJ991201_19.0222.C4
Gene No.	29376	Strand	+
Start	121	End	367
Name	OJ991201_19.0222.C4.o1.gs	Method	GENSCAN
Start	121	End	367
GI	none	Score	.41
Exons	121..234, 284..367		

Seq. No.	13777	Seq. ID	OJ991201_19.0222.C4
Gene No.	29377	Strand	-
Start	1	End	1445
Name	OJ991201_19.0222.C4.o1.np	Method	AAT/NAP
Start	1	End	1445
GI	6498463	Score	165
Exons	1..27, 938..1445		
GI Descrip.	(AP000816) Similar to putative Ser/Thr protein kinase. (AC004218) [Oryza sativa]		

Seq. No.	13777	Seq. ID	OJ991201_19.0222.C4
Gene No.	29377	Strand	-
Start	1	End	1445
Name	OJ991201_19.0222.C4.o2.gs	Method	GENSCAN
Start	893	End	1387
GI	none	Score	.52
Exons	893..1387		

Seq. No.	13777	Seq. ID	OJ991201_19.0222.C4
Gene No.	29377	Strand	-
Start	1	End	1445
Name	OJ991201_19.0222.C4.o1.tc	Method	TBLASTX:Cress
Start	923	End	1429
GI	none	Score	60
Exons	923..1114, 1136..1276, 1158..1217, 1280..1381, 1379..1429		

Seq. No.	13777	Seq. ID	OJ991201_19.0222.C4
Gene No.	29377	Strand	-
Start	1	End	1445
Name	OJ991201_19.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	926	End	1444
GI	none	Score	123
Exons	926..1066, 1124..1240, 1277..1444		

Seq. No.	13777	Seq. ID	OJ991201_19.0222.C4
Gene No.	29377	Strand	-
Start	1	End	1445
Name	OJ991201_19.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	938	End	1429
GI	none	Score	62

Exons	938..1060, 1142..1267, 1146..1238, 1283..1369, 1293..1355, 1370..1429		
Seq. No.	13778	Seq. ID	OJ991201_19.0222.C5
Gene No.	29378	Strand	-
Start	1	End	1235
Name	OJ991201_19.0222.C5.o1.np	Method	AAT/NAP
Start	1	End	1221
GI	4972064	Score	272
Exons	1..26, 596..1221		
GI Descrip.	(AL078470) putative serine/threonine-specific receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	13778	Seq. ID	OJ991201_19.0222.C5
Gene No.	29378	Strand	-
Start	1	End	1235
Name	OJ991201_19.0222.C5.o2.np	Method	AAT/NAP
Start	1	End	1235
GI	6587819	Score	431
Exons	1..99, 397..1235		
GI Descrip.	(AC010924) Contains similarity to gb|AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF|00096 domain.		

Seq. No.	13778	Seq. ID	OJ991201_19.0222.C5
Gene No.	29378	Strand	-
Start	1	End	1235
Name	OJ991201_19.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	40	End	1214
GI	none	Score	79
Exons	40..150, 69..200, 750..899, 751..900, 762..908, 873..1076, 924..1076, 1059..1214		

Seq. No.	13778	Seq. ID	OJ991201_19.0222.C5
Gene No.	29378	Strand	-
Start	1	End	1235
Name	OJ991201_19.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	411	End	732
GI	none	Score	89
Exons	411..530, 412..570, 615..731, 616..732		

Seq. No.	13778	Seq. ID	OJ991201_19.0222.C5
Gene No.	29378	Strand	-
Start	1	End	1235
Name	OJ991201_19.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	414	End	1166
GI	none	Score	69
Exons	414..557, 612..713, 619..714, 735..839, 840..899, 930..1073, 1068..1166		

Seq. No.	13778	Seq. ID	OJ991201_19.0222.C5
Gene No.	29378	Strand	-
Start	1	End	1235
Name	OJ991201_19.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	612	End	1175
GI	none	Score	64
Exons	612..713, 613..714, 714..839, 730..825, 765..836, 921..1175		

Seq. No.	13778	Seq. ID	OJ991201_19.0222.C5
Gene No.	29378	Strand	-
Start	1	End	1235
Name	OJ991201_19.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	612	End	1076
GI	none	Score	70
Exons	612..737, 732..839, 846..980, 993..1076		

Seq. No.	13779	Seq. ID	OJ991201_19.0222.C6
Gene No.	29379	Strand	-
Start	1	End	3055
Name	OJ991201_19.0222.C6.o1.np	Method	AAT/NAP
Start	1	End	3055
GI	5922636	Score	77
Exons	1..56, 2049..2182, 3014..3055		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13779	Seq. ID	OJ991201_19.0222.C6
Gene No.	29379	Strand	-
Start	1	End	3055
Name	OJ991201_19.0222.C6.o1.gs	Method	GENSCAN
Start	144	End	708
GI	none	Score	.42
Exons	144..327, 604..708		

Seq. No.	13780	Seq. ID	OJ991201_19.0222.C7
Gene No.	29380	Strand	-
Start	406	End	1644
Name	OJ991201_19.0222.C7.o1.gp	Method	AAT/GAP
Start	289	End	970
GI	5003105	Score	1286
Exons	289..970		

Seq. No.	13780	Seq. ID	OJ991201_19.0222.C7
Gene No.	29380	Strand	-
Start	406	End	1644
Name	OJ991201_19.0222.C7.o1.gs	Method	GENSCAN
Start	406	End	1644
GI	none	Score	.86
Exons	406..1644		

Seq. No.	13781	Seq. ID	OJ991201_19.0222.C8
Gene No.	29381	Strand	+
Start	7963	End	8775
Name	OJ991201_19.0222.C8.o1.np	Method	AAT/NAP
Start	7770	End	8775
GI	6907086	Score	1033
Exons	7770..8497, 8555..8775		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13781	Seq. ID	OJ991201_19.0222.C8
Gene No.	29381	Strand	+

Start	7963	End	8775
Name	OJ991201_19.0222.C8.o2.gs	Method	GENSCAN
Start	7963	End	8517
GI	none	Score	1
Exons	7963..8517		

Seq. No.	13782	Seq. ID	OJ991201_19.0222.C9
Gene No.	29382	Strand	+
Start	227	End	1154
Name	OJ991201_19.0222.C9.o1.gs	Method	GENSCAN
Start	227	End	1154
GI	none	Score	.45
Exons	227..344, 809..1154		

Seq. No.	13782	Seq. ID	OJ991201_19.0222.C9
Gene No.	29383	Strand	-
Start	2007	End	5808
Name	OJ991201_19.0222.C9.o2.gs	Method	GENSCAN
Start	2007	End	5805
GI	none	Score	.6
Exons	2007..2106, 2707..2933, 4702..4829, 5348..5485, 5573..5702, 5749..5805		

Seq. No.	13782	Seq. ID	OJ991201_19.0222.C9
Gene No.	29383	Strand	-
Start	2007	End	5808
Name	OJ991201_19.0222.C9.o1.gp	Method	AAT/GAP
Start	3259	End	5702
GI	1499_1.R1084	Score	1154
Exons	3259..3315, 3960..4345, 4702..4811, 5348..5485, 5573..5702		
GI Descrip.	'3790581 6.0e-23 (AF079179) RING-H2 finger protein RHB1a [Arabidopsis thaliana]'		

Seq. No.	13782	Seq. ID	OJ991201_19.0222.C9
Gene No.	29383	Strand	-
Start	2007	End	5808
Name	OJ991201_19.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	4180	End	5485
GI	none	Score	42
Exons	4180..4239, 4294..4386, 4303..4362, 4697..4813, 4702..4815, 4702..4812, 4703..4813, 5348..5419, 5349..5420, 5432..5485, 5450..5485		

Seq. No.	13782	Seq. ID	OJ991201_19.0222.C9
Gene No.	29383	Strand	-
Start	2007	End	5808
Name	OJ991201_19.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	4308	End	5401
GI	none	Score	41
Exons	4308..4337, 4345..4386, 4678..4812, 4701..4814, 4703..4813, 5348..5401, 5349..5393		

Seq. No.	13782	Seq. ID	OJ991201_19.0222.C9
Gene No.	29383	Strand	-
Start	2007	End	5808
Name	OJ991201_19.0222.C9.o1.np	Method	AAT/NAP
Start	4677	End	5808

GI	3790581	Score	141
Exons	4677..4811, 5348..5808		
GI Descrip.	(AF079179) RING-H2 finger protein RHB1a [Arabidopsis thaliana]		

Seq. No.	13782	Seq. ID	OJ991201_19.0222.C9
Gene No.	29383	Strand	-
Start	2007	End	5808
Name	OJ991201_19.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	4696	End	5669
GI	none	Score	101
Exons	4696..4812, 4700..4819, 5574..5669		

Seq. No.	13783	Seq. ID	OJ991201_19.0222.C10
Gene No.	29384	Strand	-
Start	21	End	989
Name	OJ991201_19.0222.C10.o1.gp	Method	AAT/GAP
Start	21	End	989
GI	1499_1.R1084	Score	1172
Exons	21..532, 889..989		
GI Descrip.	'3790581 6.0e-23 (AF079179) RING-H2 finger protein RHB1a [Arabidopsis thaliana]'		

Seq. No.	13783	Seq. ID	OJ991201_19.0222.C10
Gene No.	29384	Strand	-
Start	21	End	989
Name	OJ991201_19.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	422	End	989
GI	none	Score	34
Exons	422..466, 495..524, 532..573, 865..984, 865..987, 888..989, 890..988		

Seq. No.	13783	Seq. ID	OJ991201_19.0222.C10
Gene No.	29384	Strand	-
Start	21	End	989
Name	OJ991201_19.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	481	End	988
GI	none	Score	58
Exons	481..573, 490..549, 884..988, 889..987, 890..988		

Seq. No.	13783	Seq. ID	OJ991201_19.0222.C10
Gene No.	29384	Strand	-
Start	21	End	989
Name	OJ991201_19.0222.C10.o1.np	Method	AAT/NAP
Start	864	End	989
GI	6041807	Score	145
Exons	864..989		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	13783	Seq. ID	OJ991201_19.0222.C10
Gene No.	29384	Strand	-
Start	21	End	989
Name	OJ991201_19.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	883	End	988
GI	none	Score	84
Exons	883..987, 887..988		

Seq. No.	13784	Seq. ID	OJ991201_19.0222.C11

Gene No.	29385	Strand	+
Start	1	End	6612
Name	OJ991201_19.0222.C11.o1.np	Method	AAT/NAP
Start	1	End	6612
GI	5734621	Score	252
Exons	1..22, 3893..4590, 6533..6612		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	13784	Seq. ID	OJ991201_19.0222.C11
Gene No.	29386	Strand	-
Start	88	End	4384
Name	OJ991201_19.0222.C11.o1.gp	Method	AAT/GAP
Start	88	End	2210
GI	1499_1.R1084	Score	620
Exons	88..223, 1810..1898, 2085..2210		
GI Descrip.	'3790581 6.0e-23 (AF079179) RING-H2 finger protein RHB1a [Arabidopsis thaliana]'		

Seq. No.	13784	Seq. ID	OJ991201_19.0222.C11
Gene No.	29386	Strand	-
Start	88	End	4384
Name	OJ991201_19.0222.C11.o1.gs	Method	GENSCAN
Start	1681	End	4384
GI	none	Score	.81
Exons	1681..1898, 2062..2123, 3923..4183, 4210..4384		

Seq. No.	13784	Seq. ID	OJ991201_19.0222.C11
Gene No.	29387	Strand	-
Start	5696	End	6612
Name	OJ991201_19.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	5696	End	6038
GI	none	Score	98
Exons	5696..5821, 5696..5821, 5913..6038, 5914..6033		

Seq. No.	13784	Seq. ID	OJ991201_19.0222.C11
Gene No.	29387	Strand	-
Start	5696	End	6612
Name	OJ991201_19.0222.C11.o2.gs	Method	GENSCAN
Start	5696	End	6033
GI	none	Score	.83
Exons	5696..5825, 5914..6033		

Seq. No.	13784	Seq. ID	OJ991201_19.0222.C11
Gene No.	29387	Strand	-
Start	5696	End	6612
Name	OJ991201_19.0222.C11.o2.np	Method	AAT/NAP
Start	5756	End	6612
GI	6434457	Score	90
Exons	5756..5825, 5914..6113, 6584..6612		
GI Descrip.	(AL132896) predicted using Genefinder; preliminary prediction [Caenorhabditis elegans]		

Seq. No.	13785	Seq. ID	OJ991201_19.0222.C12
Gene No.	29388	Strand	-
Start	73	End	2022

Name	OJ991201_19.0222.C12.o1.gs	Method	GENSCAN
Start	73	End	2022
GI	none	Score	.6
Exons	73..124, 830..952, 1594..1752, 1849..2022		

Seq. No.	13785	Seq. ID	OJ991201_19.0222.C12
Gene No.	29388	Strand	-
Start	73	End	2022
Name	OJ991201_19.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	1693	End	2022
GI	none	Score	45
Exons	1693..1752, 1698..1751, 1846..2022, 1856..1942, 1961..2020		

Seq. No.	13786	Seq. ID	OJ991201_19.0222.C13
Gene No.	29389	Strand	+
Start	74	End	1518
Name	OJ991201_19.0222.C13.o1.gs	Method	GENSCAN
Start	74	End	1518
GI	none	Score	.4
Exons	74..172, 851..1024, 1480..1518		

Seq. No.	13786	Seq. ID	OJ991201_19.0222.C13
Gene No.	29390	Strand	-
Start	2627	End	3759
Name	OJ991201_19.0222.C13.o1.gp	Method	AAT/GAP
Start	2627	End	3759
GI	80754_1.R1084	Score	856
Exons	2627..2958, 3469..3706, 3731..3759		
GI Descrip.	'984907/gb|U35131|XXU35131 3.0e-09 Plasmid pBSL159 cloning vector, complete sequence'		

Seq. No.	13786	Seq. ID	OJ991201_19.0222.C13
Gene No.	29391	Strand	-
Start	3888	End	4320
Name	OJ991201_19.0222.C13.o2.gp	Method	AAT/GAP
Start	3888	End	4320
GI	none	Score	842
Exons	3888..4320		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29392	Strand	+
Start	1450	End	4001
Name	OJ991201_19.0222.C14.o2.np	Method	AAT/NAP
Start	1450	End	4001
GI	6539570	Score	186
Exons	1450..1475, 2040..2215, 2375..2455, 3970..4001		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29392	Strand	+
Start	1450	End	4001
Name	OJ991201_19.0222.C14.o1.np	Method	AAT/NAP
Start	1808	End	1886
GI	6630699	Score	89
Exons	1808..1886		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein		

[Oryza sativa]

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29393	Strand	-
Start	1803	End	2228
Name	OJ991201_19.0222.C14.o1.gp	Method	AAT/GAP
Start	1803	End	2228
GI	LIB3479-006-Q6-K1-B11	Score	592
Exons	1803..2228		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o4.np	Method	AAT/NAP
Start	3493	End	5491
GI	99922	Score	128
Exons	3493..3514, 5257..5491		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o2.gs	Method	GENSCAN
Start	4812	End	11550
GI	none	Score	.46
Exons	4812..4873, 4927..5829, 5862..5982, 6170..6278, 6300..6488, 6493..6681, 7855..8036, 8085..8213, 8308..8380, 8465..8575, 8672..8845, 8955..10054, 10129..11550		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o1.tm	Method	TBLASTX:Maize
Start	4869	End	5177
GI	none	Score	331
Exons	4869..5177, 4871..5176		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o3.np	Method	AAT/NAP
Start	4937	End	8318
GI	5911167	Score	274
Exons	4937..5317, 8256..8318		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o2.tw	Method	TBLASTX:Wheat
Start	4979	End	5218
GI	none	Score	84
Exons	4979..5218, 4983..5210		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o2.gp	Method	AAT/GAP
Start	6190	End	6656
GI	LIB3432-044-P1-K1-F5	Score	848
Exons	6190..6656		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 6.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o3.gp	Method	AAT/GAP
Start	7462	End	7603
GI	21474_1.R1084	Score	237
Exons	7462..7603		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o5.np	Method	AAT/NAP
Start	7869	End	11565
GI	4680204	Score	1040
Exons	7869..8006, 8356..8575, 8672..8845, 8955..10054, 10129..11565		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o3.tw	Method	TBLASTX:Wheat
Start	8506	End	9028
GI	none	Score	68
Exons	8506..8577, 8677..8859, 8684..8809, 8948..9028		

Seq. No.	13787	Seq. ID	OJ991201_19.0222.C14
Gene No.	29394	Strand	-
Start	3493	End	11565
Name	OJ991201_19.0222.C14.o1.tw	Method	TBLASTX:Wheat
Start	10519	End	10922
GI	none	Score	45
Exons	10519..10614, 10519..10689, 10652..10819, 10684..10920, 10771..10920, 10812..10922		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o1.gp	Method	AAT/GAP
Start	130	End	3249
GI	342_1.R1084	Score	5314
Exons	130..3249		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15

Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o1.np	Method	AAT/NAP
Start	130	End	3253
GI	4680203	Score	3115
Exons	130..921, 1198..1428, 1581..3253		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o1.gs	Method	GENSCAN
Start	130	End	3253
GI	none	Score	.49
Exons	130..1226, 1481..2394, 2433..3253		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o1.tw	Method	TBLASTX:Wheat
Start	172	End	1315
GI	none	Score	131
Exons	172..312, 173..313, 260..355, 292..351, 358..402, 363..398, 397..1314, 413..1315, 590..1315		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	580	End	1031
GI	none	Score	92
Exons	580..729, 580..1023, 584..1027, 590..1027, 849..1031		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	958	End	1272
GI	none	Score	157
Exons	958..1272, 986..1261		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o3.tw	Method	TBLASTX:Wheat
Start	1330	End	1769
GI	none	Score	67
Exons	1330..1461, 1331..1405, 1339..1416, 1471..1650, 1473..1649, 1624..1767, 1647..1769		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o2.ts	Method	TBLASTX:Soybean
Start	1758	End	2000
GI	none	Score	214
Exons	1758..2000		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	1830	End	2288
GI	none	Score	102
Exons	1830..2024, 2034..2288, 2034..2276		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o2.tw	Method	TBLASTX:Wheat
Start	1864	End	2333
GI	none	Score	173
Exons	1864..2070, 1869..2093, 2073..2171, 2074..2166, 2175..2279, 2179..2268, 2280..2333, 2281..2325		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o2.tc	Method	TBLASTX:Cress
Start	2121	End	2468
GI	none	Score	88
Exons	2121..2429, 2140..2277, 2317..2370, 2411..2461, 2421..2468		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	2202	End	2630
GI	none	Score	99
Exons	2202..2408, 2220..2366, 2411..2443, 2411..2497, 2492..2554, 2547..2630, 2555..2629		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o4.tw	Method	TBLASTX:Wheat
Start	2551	End	2902
GI	none	Score	187
Exons	2551..2802, 2561..2812, 2562..2804, 2795..2902		

Seq. No.	13788	Seq. ID	OJ991201_19.0222.C15
Gene No.	29395	Strand	-
Start	130	End	3702
Name	OJ991201_19.0222.C15.o4.gp	Method	AAT/GAP
Start	3114	End	3702
GI	2310235	Score	287
Exons	3114..3253, 3665..3702		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29396	Strand	+
Start	1032	End	7685
Name	OJ991201_19.0222.C16.o1.gs	Method	GENSCAN

Start	1032	End	4808
GI	none	Score	.86
Exons	1032..1188, 1343..1682, 2165..2230, 2824..2938, 3097..3291, 3387..3759, 4701..4808		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29396	Strand	+
Start	1032	End	7685
Name	OJ991201_19.0222.C16.o1.np	Method	AAT/NAP
Start	1331	End	6231
GI	3550985	Score	539
Exons	1331..1456, 1577..1682, 2824..2938, 3097..3281, 3374..3634, 6203..6231		
GI Descrip.	(AB010740) OsS5a [Oryza sativa]		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29396	Strand	+
Start	1032	End	7685
Name	OJ991201_19.0222.C16.o2.np	Method	AAT/NAP
Start	5291	End	7685
GI	2864615	Score	101
Exons	5291..5328, 7442..7685		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29397	Strand	-
Start	7498	End	8729
Name	OJ991201_19.0222.C16.o2.gs	Method	GENSCAN
Start	7498	End	8729
GI	none	Score	.61
Exons	7498..7721, 8291..8729		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	1337	End	3744
GI	none	Score	146
Exons	1337..1450, 1345..1452, 1574..1684, 1574..1681, 1576..1686, 2817..2936, 2817..2936, 3116..3238, 3118..3159, 3119..3235, 3216..3245, 3235..3303, 3236..3268, 3385..3411, 3401..3481, 3418..3486, 3444..3503, 3445..3504, 3519..3599, 3523..3615, 3697..3744		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	1337	End	3787
GI	none	Score	149
Exons	1337..1450, 1342..1452, 1574..1684, 1574..1681, 1576..1683, 2817..2936, 2817..2936, 3107..3235, 3116..3238, 3235..3276, 3236..3271, 3385..3411, 3430..3486, 3439..3504, 3456..3503, 3519..3599, 3523..3615, 3697..3750, 3698..3787		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-

Start	11543	End	19078
Name	OJ991201_19.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	8282	End	14636
GI	none	Score	68
Exons	8282..8359, 8335..8421, 8337..8489, 8338..8517, 8505..8630, 8506..8631, 13073..13243, 13241..13399, 13424..13540, 14169..14345, 14173..14346, 14174..14350, 14349..14486, 14365..14427, 14368..14493, 14499..14636, 14518..14583		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o1.tc	Method	TBLASTX:Cress
Start	8331	End	14654
GI	none	Score	72
Exons	8331..8525, 8484..8588, 12887..12982, 13256..13408, 13257..13349, 13759..13920, 13778..13888, 13972..14037, 13994..14029, 14055..14147, 14150..14227, 14157..14258, 14349..14498, 14514..14585, 14562..14654		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	8334	End	14600
GI	none	Score	58
Exons	8334..8594, 8341..8421, 8479..8577, 13239..13415, 13256..13396, 13967..14026, 13969..14034, 13969..14043, 13994..14035, 14055..14147, 14062..14145, 14148..14258, 14152..14259, 14349..14600		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o3.gs	Method	GENSCAN
Start	11543	End	14735
GI	none	Score	.63
Exons	11543..11679, 12514..13507, 13729..13971, 14091..14735		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o3.np	Method	AAT/NAP
Start	12519	End	17007
GI	6665543	Score	349
Exons	12519..12652, 13756..14113, 14159..14585, 16979..17007		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o3.tm	Method	TBLASTX:Maize
Start	12911	End	14041
GI	none	Score	103
Exons	12911..12970, 13752..13943, 13753..13953, 13754..13948, 13972..14040, 13972..14040, 13997..14041		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o4.gs	Method	GENSCAN
Start	15736	End	18574
GI	none	Score	.55
Exons	15736..15890, 16048..16217, 16364..16472, 16739..17087, 18482..18574		

Seq. No.	13789	Seq. ID	OJ991201_19.0222.C16
Gene No.	29398	Strand	-
Start	11543	End	19078
Name	OJ991201_19.0222.C16.o1.gp	Method	AAT/GAP
Start	17859	End	19078
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	17859..17903, 19035..19078		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29399	Strand	+
Start	828	End	3622
Name	OJ991201_19.0222.C17.o1.gs	Method	GENSCAN
Start	828	End	1864
GI	none	Score	.5
Exons	828..976, 1412..1523, 1723..1864		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29399	Strand	+
Start	828	End	3622
Name	OJ991201_19.0222.C17.o1.np	Method	AAT/NAP
Start	1327	End	3622
GI	2947070	Score	112
Exons	1327..1587, 3548..3622		
GI Descrip.	(AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29400	Strand	+
Start	7148	End	9020
Name	OJ991201_19.0222.C17.o3.gs	Method	GENSCAN
Start	7148	End	9020
GI	none	Score	.44
Exons	7148..7305, 8984..9020		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29401	Strand	+
Start	10949	End	11389
Name	OJ991201_19.0222.C17.o3.np	Method	AAT/NAP
Start	10949	End	11389
GI	6006381	Score	199
Exons	10949..11389		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29402	Strand	-

Start	8	End	171
Name	OJ991201_19.0222.C17.o1.gp	Method	AAT/GAP
Start	8	End	171
GI	21474_1.R1084	Score	241
Exons	8..171		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29403	Strand	-
Start	1617	End	2006
Name	OJ991201_19.0222.C17.o2.np	Method	AAT/NAP
Start	1617	End	2006
GI	6899896	Score	115
Exons	1617..1879, 1920..2006		
GI Descrip.	(AL138642) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29404	Strand	-
Start	3080	End	5625
Name	OJ991201_19.0222.C17.o2.gs	Method	GENSCAN
Start	3080	End	5625
GI	none	Score	.77
Exons	3080..3243, 3341..3459, 3491..3651, 4265..4304, 4942..5084, 5170..5625		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29405	Strand	-
Start	11275	End	11493
Name	OJ991201_19.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	1408	End	1620
GI	none	Score	222
Exons	1408..1620, 1417..1617		

Seq. No.	13790	Seq. ID	OJ991201_19.0222.C17
Gene No.	29405	Strand	-
Start	11275	End	11493
Name	OJ991201_19.0222.C17.o4.gs	Method	GENSCAN
Start	11275	End	11493
GI	none	Score	.97
Exons	11275..11493		

Seq. No.	13791	Seq. ID	OJ991201_19.0222.C18
Gene No.	29406	Strand	+
Start	430	End	3842
Name	OJ991201_19.0222.C18.o1.gs	Method	GENSCAN
Start	430	End	3047
GI	none	Score	.46
Exons	430..589, 921..1122, 1509..1540, 2905..3047		

Seq. No.	13791	Seq. ID	OJ991201_19.0222.C18
Gene No.	29406	Strand	+
Start	430	End	3842
Name	OJ991201_19.0222.C18.o1.np	Method	AAT/NAP
Start	946	End	3839
GI	5922620	Score	494
Exons	946..1129, 1893..2329, 3732..3839		

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	13791	Seq. ID	OJ991201_19.0222.C18
Gene No.	29406	Strand	+
Start	430	End	3842
Name	OJ991201_19.0222.C18.o2.gs	Method	GENSCAN
Start	3537	End	3842
GI	none	Score	.71
Exons	3537..3708, 3757..3842		

Seq. No.	13791	Seq. ID	OJ991201_19.0222.C18
Gene No.	29407	Strand	-
Start	2098	End	6753
Name	OJ991201_19.0222.C18.o3.np	Method	AAT/NAP
Start	2098	End	6753
GI	6721103	Score	318
Exons	2098..2126, 4558..4731, 5098..5691, 6699..6753		
GI Descrip.	(AC007396) T4O12.11 [Arabidopsis thaliana]		

Seq. No.	13791	Seq. ID	OJ991201_19.0222.C18
Gene No.	29407	Strand	-
Start	2098	End	6753
Name	OJ991201_19.0222.C18.o2.np	Method	AAT/NAP
Start	3979	End	5323
GI	6630699	Score	79
Exons	3979..4055, 5220..5323		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13791	Seq. ID	OJ991201_19.0222.C18
Gene No.	29407	Strand	-
Start	2098	End	6753
Name	OJ991201_19.0222.C18.o3.gs	Method	GENSCAN
Start	4544	End	6598
GI	none	Score	.73
Exons	4544..4731, 5098..5910, 6343..6598		

Seq. No.	13791	Seq. ID	OJ991201_19.0222.C18
Gene No.	29407	Strand	-
Start	2098	End	6753
Name	OJ991201_19.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	5444	End	5696
GI	none	Score	68
Exons	5444..5485, 5492..5548, 5507..5599, 5552..5689, 5562..5696, 5616..5693		

Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19
Gene No.	29408	Strand	+
Start	1	End	507
Name	OJ991201_19.0222.C19.o1.np	Method	AAT/NAP
Start	1	End	507
GI	6907106	Score	373

Exons	1..249, 284..507		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19
Gene No.	29409	Strand	-
Start	1	End	2344
Name	OJ991201_19.0222.C19.o2.np	Method	AAT/NAP
Start	1	End	1258
GI	4587595	Score	181
Exons	1..96, 954..1258		
GI Descrip.	(AC006951) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		
Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19
Gene No.	29409	Strand	-
Start	1	End	2344
Name	OJ991201_19.0222.C19.o1.gs	Method	GENSCAN
Start	123	End	1291
GI	none	Score	.62
Exons	123..828, 1017..1291		
Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19
Gene No.	29409	Strand	-
Start	1	End	2344
Name	OJ991201_19.0222.C19.o3.np	Method	AAT/NAP
Start	444	End	2344
GI	6539588	Score	101
Exons	444..502, 2101..2344		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19
Gene No.	29410	Strand	-
Start	3245	End	3442
Name	OJ991201_19.0222.C19.o2.tm	Method	TBLASTX:Maize
Start	122	End	408
GI	none	Score	92
Exons	122..205, 127..153, 132..260, 204..260, 217..261, 278..388, 281..355, 361..408		
Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19
Gene No.	29410	Strand	-
Start	3245	End	3442
Name	OJ991201_19.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	1016	End	1195
GI	none	Score	172
Exons	1016..1195, 1017..1184		
Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19
Gene No.	29410	Strand	-
Start	3245	End	3442
Name	OJ991201_19.0222.C19.o1.tc	Method	TBLASTX:Cress
Start	1022	End	1199
GI	none	Score	136
Exons	1022..1198, 1026..1199		
Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19

Gene No.	29410	Strand	-
Start	3245	End	3442
Name	OJ991201_19.0222.C19.o1.ts	Method	TBLASTX:Soybean
Start	1022	End	1195
GI	none	Score	152
Exons	1022..1195, 1026..1190		

Seq. No.	13792	Seq. ID	OJ991201_19.0222.C19
Gene No.	29410	Strand	-
Start	3245	End	3442
Name	OJ991201_19.0222.C19.o2.gs	Method	GENSCAN
Start	3245	End	3442
GI	none	Score	.44
Exons	3245..3442		

Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o1.np	Method	AAT/NAP
Start	3	End	12519
GI	1888357	Score	2196
Exons	3..29, 369..575, 710..778, 854..901, 988..1083, 1318..1428, 1536..1620, 2348..2460, 2921..2986, 3162..3287, 3391..3438, 3518..3589, 4010..4069, 4155..4213, 5961..6098, 6396..6615, 6860..6916, 6995..7060, 7352..7429, 7536..7703, 7851..7944, 8016..8116, 8513..8626, 8726..8797, 8881..8964, 9085..9204, 9516..9690, 9767..9855, 12071..12154, 12316..12519		
GI Descrip.	(X98130) alpha-mannosidase [Arabidopsis thaliana] gi|1890154|emb|CAA72432| (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]		

Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o1.gp	Method	AAT/GAP
Start	222	End	1399
GI	15498_1.R1084	Score	1153
Exons	222..575, 710..778, 854..901, 988..1083, 1318..1399		
GI Descrip.	'1888357/emb|CAA66821| 7.0e-34 (X98130) alpha-mannosidase [Arabidopsis thaliana] >gi_1890154_emb_CAA72432_ (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]'		

Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o2.tm	Method	TBLASTX:Maize
Start	384	End	1075
GI	none	Score	75
Exons	384..575, 389..487, 390..575, 391..576, 699..785, 715..780, 854..910, 859..903, 988..1074, 989..1075		

Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o1.gs	Method	GENSCAN
Start	387	End	5250
GI	none	Score	.86

Exons	387..575, 710..778, 854..901, 988..1083, 1318..1423, 2348..2460, 2921..2986, 3162..3287, 4846..5250		
Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o1.tc	Method	TBLASTX:Cress
Start	390	End	12442
GI	none	Score	103
Exons	390..467, 391..576, 689..772, 699..773, 851..916, 988..1131, 1318..1440, 1533..1622, 2347..2460, 2354..2452, 2918..2989, 3159..3275, 3379..3438, 3509..3589, 6412..6615, 6434..6616, 6843..6917, 6854..6916, 6993..7061, 7001..7045, 7524..7703, 7546..7704, 7851..7943, 7852..7944, 8001..8117, 8013..8117, 8015..8119, 8474..8629, 8506..8631, 8513..8629, 8720..8788, 8735..8809, 8881..8967, 9067..9201, 9089..9205, 9516..9719, 9516..9707, 9625..9711, 9760..9873, 9761..9856, 12074..12160, 12163..12186, 12316..12441, 12320..12442		
Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o1.ts	Method	TBLASTX:Soybean
Start	390	End	6597
GI	none	Score	64
Exons	390..491, 406..483, 516..578, 523..585, 706..774, 851..910, 861..899, 988..1086, 1327..1416, 1533..1631, 2344..2460, 2918..2989, 3150..3275, 3379..3435, 3509..3589, 6427..6597, 6431..6565		
Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o4.tm	Method	TBLASTX:Maize
Start	1318	End	6570
GI	none	Score	74
Exons	1318..1416, 1318..1416, 1533..1622, 2339..2461, 2347..2460, 2918..2989, 3150..3275, 3163..3225, 3379..3444, 3509..3583, 4004..4072, 6407..6565, 6410..6568, 6412..6570		
Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o2.gp	Method	AAT/GAP
Start	3257	End	7634
GI	25829_1.R1084	Score	1592
Exons	3257..3287, 3391..3438, 3518..3589, 4010..4069, 4155..4223, 5965..6101, 6396..6615, 6860..6916, 6995..7060, 7352..7429, 7536..7634		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o2.gs	Method	GENSCAN
Start	5377	End	12519

GI	none	Score	.93
Exons	5377..5595, 5965..6101, 6396..6615, 6860..6916, 6995..7060, 7352..7429, 7536..7703, 7851..7944, 7991..8070, 8513..8626, 8726..8797, 8881..8964, 9516..9723, 9767..9855, 12071..12154, 12316..12519		

Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o3.tm	Method	TBLASTX:Maize
Start	7569	End	8761
GI	none	Score	96
Exons	7569..7676, 7569..7676, 7570..7677, 7571..7684, 7654..7704, 7665..7703, 7841..7939, 7851..7952, 7852..7941, 8013..8117, 8015..8119, 8016..8117, 8018..8119, 8475..8630, 8498..8629, 8511..8630, 8512..8631, 8512..8670, 8719..8754, 8720..8761, 8721..8753		

Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o2.ts	Method	TBLASTX:Soybean
Start	8552	End	8967
GI	none	Score	90
Exons	8552..8629, 8552..8629, 8562..8633, 8720..8785, 8881..8967		

Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o1.tm	Method	TBLASTX:Maize
Start	9151	End	12430
GI	none	Score	79
Exons	9151..9204, 9152..9205, 9513..9731, 9514..9681, 9516..9719, 9760..9873, 9761..9871, 12069..12155, 12071..12160, 12072..12155, 12292..12420, 12308..12430, 12308..12367, 12316..12429		

Seq. No.	13793	Seq. ID	OJ991201_19.0222.C20
Gene No.	29411	Strand	-
Start	3	End	12519
Name	OJ991201_19.0222.C20.o3.ts	Method	TBLASTX:Soybean
Start	12074	End	12450
GI	none	Score	104
Exons	12074..12160, 12316..12450, 12320..12442		

Seq. No.	13794	Seq. ID	OJ991201_19.0222.C23
Gene No.	29412	Strand	+
Start	1	End	133
Name	OJ991201_19.0222.C23.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	21474_1.R1084	Score	202
Exons	1..133		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29413	Strand	+

Start	19334	End	19945
Name	OJ991101_05.0202.C1.o4.gs	Method	GENSCAN
Start	19334	End	19945
GI	none	Score	.58
Exons	19334..19341, 19588..19945		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29414	Strand	+
Start	23585	End	23844
Name	OJ991101_05.0202.C1.o1.gp	Method	AAT/GAP
Start	23585	End	23844
GI	427610	Score	370
Exons	23585..23844		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29415	Strand	+
Start	24234	End	27495
Name	OJ991101_05.0202.C1.o6.gs	Method	GENSCAN
Start	24234	End	27495
GI	none	Score	.49
Exons	24234..25033, 25418..26344, 26732..26816, 26906..27032, 27098..27495		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29416	Strand	+
Start	28204	End	33866
Name	OJ991101_05.0202.C1.o4.np	Method	AAT/NAP
Start	28204	End	33866
GI	3777527	Score	2366
Exons	28204..29174, 29377..29625, 30021..30167, 30303..30530, 30741..32045, 32100..33866		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29417	Strand	-
Start	2990	End	9649
Name	OJ991101_05.0202.C1.o2.gs	Method	GENSCAN
Start	2990	End	9649
GI	none	Score	.49
Exons	2990..3491, 3590..3764, 4738..4778, 5624..5747, 5801..5984, 6214..6289, 9549..9649		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29418	Strand	-
Start	11612	End	20410
Name	OJ991101_05.0202.C1.o3.gs	Method	GENSCAN
Start	11612	End	18562
GI	none	Score	.74
Exons	11612..11633, 11813..12677, 15564..17512, 17736..17868, 17916..18229, 18252..18562		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29418	Strand	-
Start	11612	End	20410
Name	OJ991101_05.0202.C1.o2.np	Method	AAT/NAP

Start	12154	End	12675
GI	4678202	Score	173
Exons	12154..12675		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29418	Strand	-
Start	11612	End	20410
Name	OJ991101_05.0202.C1.o3.np	Method	AAT/NAP
Start	14400	End	20410
GI	4680207	Score	424
Exons	14400..14446, 16291..17331, 20390..20410		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29419	Strand	-
Start	23369	End	23855
Name	OJ991101_05.0202.C1.o4.tm	Method	TBLASTX:Maize
Start	7506	End	8216
GI	none	Score	352
Exons	7506..8018, 7616..7882, 7974..8216		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29419	Strand	-
Start	23369	End	23855
Name	OJ991101_05.0202.C1.o7.tw	Method	TBLASTX:Wheat
Start	7553	End	7898
GI	none	Score	126
Exons	7553..7729, 7554..7736, 7745..7882, 7746..7898		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29419	Strand	-
Start	23369	End	23855
Name	OJ991101_05.0202.C1.o4.ts	Method	TBLASTX:Soybean
Start	7827	End	8349
GI	none	Score	53
Exons	7827..7883, 7974..8165, 8163..8270, 8254..8349		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29419	Strand	-
Start	23369	End	23855
Name	OJ991101_05.0202.C1.o5.tw	Method	TBLASTX:Wheat
Start	7974	End	8334
GI	none	Score	218
Exons	7974..8270, 8112..8276, 8254..8334		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29419	Strand	-
Start	23369	End	23855
Name	OJ991101_05.0202.C1.o5.tm	Method	TBLASTX:Maize
Start	8500	End	8838
GI	none	Score	38
Exons	8500..8532, 8515..8739, 8746..8838		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29419	Strand	-

Start	23369	End	23855
Name	OJ991101_05.0202.C1.o3.tw	Method	TBLASTX:Wheat
Start	8569	End	13612
GI	none	Score	266
Exons	8569..8931, 8764..8907, 13505..13612		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29419	Strand	-
Start	23369	End	23855
Name	OJ991101_05.0202.C1.o5.gs	Method	GENSCAN
Start	23369	End	23855
GI	none	Score	.72
Exons	23369..23496, 23699..23855		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29420	Strand	
Start	31154	End	32020
Name	OJ991101_05.0202.C1.o2.tw	Method	TBLASTX:Wheat
Start	31154	End	31717
GI	none	Score	151
Exons	31154..31390, 31160..31372, 31427..31702, 31430..31717, 31615..31716		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29420	Strand	
Start	31154	End	32020
Name	OJ991101_05.0202.C1.o2.tm	Method	TBLASTX:Maize
Start	31385	End	32020
GI	none	Score	85
Exons	31385..31468, 31419..31463, 31451..31873, 31543..31872, 31785..31886, 31868..32020		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29420	Strand	
Start	31154	End	32020
Name	OJ991101_05.0202.C1.o3.ts	Method	TBLASTX:Soybean
Start	31559	End	32020
GI	none	Score	275
Exons	31559..31870, 31570..31863, 31882..32001, 31892..32020		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29420	Strand	
Start	31154	End	32020
Name	OJ991101_05.0202.C1.o3.tc	Method	TBLASTX:Cress
Start	31577	End	32014
GI	none	Score	181
Exons	31577..31867, 31883..32014		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29421	Strand	
Start	32246	End	32951
Name	OJ991101_05.0202.C1.o1.ts	Method	TBLASTX:Soybean
Start	32246	End	32842
GI	5509260	Score	646
Exons	32246..32842, 32313..32840		
GI Descrip.	-		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29421	Strand	
Start	32246	End	32951
Name	OJ991101_05.0202.C1.o1.tw	Method	TBLASTX:Wheat
Start	32358	End	32825
GI	none	Score	82
Exons	32358..32447, 32364..32441, 32481..32825, 32498..32626, 32657..32824		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29421	Strand	
Start	32246	End	32951
Name	OJ991101_05.0202.C1.o2.tc	Method	TBLASTX:Cress
Start	32457	End	32723
GI	none	Score	249
Exons	32457..32723, 32462..32722		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29421	Strand	
Start	32246	End	32951
Name	OJ991101_05.0202.C1.o3.tm	Method	TBLASTX:Maize
Start	32504	End	32951
GI	none	Score	523
Exons	32504..32941, 32505..32951		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29422	Strand	
Start	32984	End	33893
Name	OJ991101_05.0202.C1.o5.ts	Method	TBLASTX:Soybean
Start	32984	End	33212
GI	none	Score	190
Exons	32984..33151, 32988..33212		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29422	Strand	
Start	32984	End	33893
Name	OJ991101_05.0202.C1.o4.tw	Method	TBLASTX:Wheat
Start	33012	End	33428
GI	none	Score	103
Exons	33012..33164, 33192..33428		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29422	Strand	
Start	32984	End	33893
Name	OJ991101_05.0202.C1.o1.tc	Method	TBLASTX:Cress
Start	33192	End	33851
GI	none	Score	116
Exons	33192..33365, 33204..33374, 33486..33620, 33638..33757, 33639..33851		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29422	Strand	
Start	32984	End	33893
Name	OJ991101_05.0202.C1.o1.tm	Method	TBLASTX:Maize
Start	33195	End	33851
GI	none	Score	738
Exons	33195..33851, 33203..33850		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29422	Strand	
Start	32984	End	33893
Name	OJ991101_05.0202.C1.o2.ts	Method	TBLASTX:Soybean
Start	33213	End	33893
GI	none	Score	289
Exons	33213..33602, 33407..33559, 33630..33893, 33635..33796		

Seq. No.	13795	Seq. ID	OJ991101_05.0202.C1
Gene No.	29422	Strand	
Start	32984	End	33893
Name	OJ991101_05.0202.C1.o6.tw	Method	TBLASTX:Wheat
Start	33438	End	33824
GI	none	Score	113
Exons	33438..33611, 33630..33824, 33633..33737, 33635..33811		

Seq. No.	13796	Seq. ID	OJ991101_05.0202.C2
Gene No.	29423	Strand	+
Start	2725	End	2814
Name	OJ991101_05.0202.C2.o1.gp	Method	AAT/GAP
Start	2725	End	2814
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	2725..2814		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29424	Strand	-
Start	8055	End	8264
Name	OJ991101_05.0202.C3.o2.gs	Method	GENSCAN
Start	8055	End	8264
GI	none	Score	.7
Exons	8055..8264		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o1.np	Method	AAT/NAP
Start	8178	End	10672
GI	6466937	Score	1333
Exons	8178..8285, 8728..10672		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o3.gs	Method	GENSCAN
Start	8650	End	10623
GI	none	Score	.75
Exons	8650..10623		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672

Name	OJ991101_05.0202.C3.o3.tm	Method	TBLASTX:Maize
Start	8704	End	9343
GI	none	Score	85
Exons	8704..8967, 8723..8968, 8941..9342, 8978..9343		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o3.tw	Method	TBLASTX:Wheat
Start	8866	End	9141
GI	none	Score	80
Exons	8866..9141, 8906..9130		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o1.tw	Method	TBLASTX:Wheat
Start	9142	End	9729
GI	none	Score	95
Exons	9142..9288, 9337..9729, 9338..9640		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o1.tm	Method	TBLASTX:Maize
Start	9347	End	9984
GI	none	Score	391
Exons	9347..9982, 9349..9984, 9685..9984		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o1.ts	Method	TBLASTX:Soybean
Start	9577	End	9954
GI	none	Score	73
Exons	9577..9834, 9577..9948, 9668..9931, 9868..9954		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o2.tw	Method	TBLASTX:Wheat
Start	9817	End	10227
GI	none	Score	133
Exons	9817..10227, 9818..10060		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o2.tm	Method	TBLASTX:Maize
Start	10108	End	10672
GI	none	Score	293
Exons	10108..10206, 10201..10656, 10238..10672		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o4.tw	Method	TBLASTX:Wheat

Start	10345	End	10656
GI	none	Score	198
Exons	10345..10656		

Seq. No.	13797	Seq. ID	OJ991101_05.0202.C3
Gene No.	29425	Strand	-
Start	8178	End	10672
Name	OJ991101_05.0202.C3.o2.ts	Method	TBLASTX:Soybean
Start	10396	End	10651
GI	none	Score	96
Exons	10396..10650, 10502..10651		

Seq. No.	13798	Seq. ID	OJ991101_05.0202.C4
Gene No.	29426	Strand	-
Start	5912	End	6148
Name	OJ991101_05.0202.C4.o1.tm	Method	TBLASTX:Maize
Start	114	End	950
GI	none	Score	113
Exons	114..209, 321..413, 498..746, 822..950		

Seq. No.	13798	Seq. ID	OJ991101_05.0202.C4
Gene No.	29426	Strand	-
Start	5912	End	6148
Name	OJ991101_05.0202.C4.o2.gs	Method	GENSCAN
Start	5912	End	6148
GI	none	Score	.72
Exons	5912..6013, 6065..6148		

Seq. No.	13799	Seq. ID	OJ991101_05.0202.C6
Gene No.	29427	Strand	-
Start	612	End	1761
Name	OJ991101_05.0202.C6.o1.gs	Method	GENSCAN
Start	612	End	1700
GI	none	Score	.45
Exons	612..1700		

Seq. No.	13799	Seq. ID	OJ991101_05.0202.C6
Gene No.	29427	Strand	-
Start	612	End	1761
Name	OJ991101_05.0202.C6.o3.tm	Method	TBLASTX:Maize
Start	786	End	1082
GI	none	Score	65
Exons	786..917, 786..986, 990..1082		

Seq. No.	13799	Seq. ID	OJ991101_05.0202.C6
Gene No.	29427	Strand	-
Start	612	End	1761
Name	OJ991101_05.0202.C6.o1.tm	Method	TBLASTX:Maize
Start	1329	End	1761
GI	none	Score	51
Exons	1329..1496, 1339..1446, 1440..1517, 1455..1496, 1497..1643, 1528..1644, 1594..1707, 1702..1761		

Seq. No.	13799	Seq. ID	OJ991101_05.0202.C6
Gene No.	29427	Strand	-
Start	612	End	1761
Name	OJ991101_05.0202.C6.o1.tw	Method	TBLASTX:Wheat

Start	1329	End	1722
GI	none	Score	73
Exons	1329..1382, 1386..1508, 1420..1509, 1506..1634, 1567..1644, 1624..1722		

Seq. No.	13799	Seq. ID	OJ991101_05.0202.C6
Gene No.	29428	Strand	
Start	1861	End	2293
Name	OJ991101_05.0202.C6.o2.tm	Method	TBLASTX:Maize
Start	1861	End	2293
GI	none	Score	77
Exons	1861..2154, 1862..2056, 2209..2292, 2237..2293		

Seq. No.	13800	Seq. ID	OJ991101_05.0202.C7
Gene No.	29429	Strand	+
Start	63	End	181
Name	OJ991101_05.0202.C7.o1.gs	Method	GENSCAN
Start	63	End	181
GI	none	Score	.76
Exons	63..181		

Seq. No.	13800	Seq. ID	OJ991101_05.0202.C7
Gene No.	29430	Strand	-
Start	1	End	561
Name	OJ991101_05.0202.C7.o1.np	Method	AAT/NAP
Start	1	End	561
GI	119714	Score	56
Exons	1..261, 478..561		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	13801	Seq. ID	OJ991101_05.0202.C8
Gene No.	29431	Strand	-
Start	1	End	489
Name	OJ991101_05.0202.C8.o1.np	Method	AAT/NAP
Start	1	End	489
GI	6466937	Score	422
Exons	1..489		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13801	Seq. ID	OJ991101_05.0202.C8
Gene No.	29431	Strand	-
Start	1	End	489
Name	OJ991101_05.0202.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	312
GI	none	Score	117
Exons	1..312, 5..208		

Seq. No.	13801	Seq. ID	OJ991101_05.0202.C8
Gene No.	29431	Strand	-
Start	1	End	489
Name	OJ991101_05.0202.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	405
GI	none	Score	230

Exons	1..405, 8..370		
Seq. No.	13801	Seq. ID	OJ991101_05.0202.C8
Gene No.	29431	Strand	-
Start	1	End	489
Name	OJ991101_05.0202.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	276
GI	none	Score	66
Exons	1..276, 86..250		
Seq. No.	13801	Seq. ID	OJ991101_05.0202.C8
Gene No.	29431	Strand	-
Start	1	End	489
Name	OJ991101_05.0202.C8.o1.gs	Method	GENSCAN
Start	42	End	486
GI	none	Score	.9
Exons	42..486		
Seq. No.	13802	Seq. ID	OJ991101_05.0202.C9
Gene No.	29432	Strand	+
Start	30	End	162
Name	OJ991101_05.0202.C9.o1.gs	Method	GENSCAN
Start	30	End	162
GI	none	Score	.67
Exons	30..162		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29433	Strand	+
Start	364	End	1755
Name	OJ991101_05.0202.C10.o1.gs	Method	GENSCAN
Start	364	End	1755
GI	none	Score	.89
Exons	364..475, 1691..1755		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29434	Strand	+
Start	2034	End	9809
Name	OJ991101_05.0202.C10.o2.gs	Method	GENSCAN
Start	2034	End	4858
GI	none	Score	.67
Exons	2034..2140, 2172..2294, 4759..4858		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29434	Strand	+
Start	2034	End	9809
Name	OJ991101_05.0202.C10.o1.np	Method	AAT/NAP
Start	4397	End	9003
GI	4680203	Score	3140
Exons	4397..4432, 5700..7389, 7543..7749, 8026..9003		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29434	Strand	+
Start	2034	End	9809
Name	OJ991101_05.0202.C10.o1.gp	Method	AAT/GAP
Start	5729	End	9809
GI	342_1.R1084	Score	6572

Exons	5729..9108, 9213..9809		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o4.tw	Method	TBLASTX:Wheat
Start	6024	End	6419
GI	none	Score	58
Exons	6024..6122, 6134..6175, 6158..6409, 6166..6408, 6169..6411, 6177..6419		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o1.ts	Method	TBLASTX:Soybean
Start	6340	End	6769
GI	none	Score	98
Exons	6340..6423, 6341..6415, 6416..6478, 6473..6769, 6527..6751		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o2.tc	Method	TBLASTX:Cress
Start	6502	End	6817
GI	none	Score	272
Exons	6502..6654, 6509..6817, 6694..6789		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o2.tw	Method	TBLASTX:Wheat
Start	6638	End	7106
GI	none	Score	72
Exons	6638..6691, 6646..6690, 6692..6796, 6703..6792, 6810..6896, 6811..6897, 6877..7101, 6898..7101, 6900..7106		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o1.tm	Method	TBLASTX:Maize
Start	6683	End	7140
GI	none	Score	108
Exons	6683..6811, 6695..6817, 6811..6936, 6817..6936, 6946..7140		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o2.ts	Method	TBLASTX:Soybean
Start	6970	End	7212
GI	none	Score	212
Exons	6970..7212		
Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087

Name	OJ991101_05.0202.C10.o3.tw	Method	TBLASTX:Wheat
Start	7245	End	7650
GI	none	Score	87
Exons	7245..7295, 7246..7308, 7294..7536, 7314..7496, 7564..7644, 7566..7649, 7569..7649, 7570..7650		

Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o1.tw	Method	TBLASTX:Wheat
Start	7650	End	8949
GI	none	Score	524
Exons	7650..8534, 7657..8052, 7665..8360, 8098..8550, 8543..8584, 8545..8589, 8548..8589, 8592..8687, 8596..8655, 8634..8774, 8635..8775, 8788..8868, 8857..8949		

Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o2.tm	Method	TBLASTX:Maize
Start	7675	End	7989
GI	none	Score	280
Exons	7675..7989, 7686..7961		

Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o1.tc	Method	TBLASTX:Cress
Start	7920	End	8367
GI	none	Score	173
Exons	7920..8360, 7920..8363, 7924..8367, 7924..8367		

Seq. No.	13803	Seq. ID	OJ991101_05.0202.C10
Gene No.	29435	Strand	-
Start	8643	End	9087
Name	OJ991101_05.0202.C10.o2.gp	Method	AAT/GAP
Start	8643	End	9087
GI	LIB3431-028-P1-N1-A10	Score	762
Exons	8643..8989, 9017..9087		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	13804	Seq. ID	OJ991101_05.0202.C11
Gene No.	29436	Strand	+
Start	592	End	2291
Name	OJ991101_05.0202.C11.o1.np	Method	AAT/NAP
Start	592	End	2291
GI	4680204	Score	778
Exons	592..2028, 2124..2291		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13804	Seq. ID	OJ991101_05.0202.C11
Gene No.	29436	Strand	+
Start	592	End	2291
Name	OJ991101_05.0202.C11.o1.tw	Method	TBLASTX:Wheat
Start	1235	End	1638
GI	none	Score	64

Exons	1235..1375, 1235..1345, 1237..1470, 1237..1431, 1338..1478, 1468..1638, 1563..1637		
Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29437	Strand	+
Start	65	End	1808
Name	OJ991101_05.0202.C12.o1.gs	Method	GENSCAN
Start	65	End	1808
GI	none	Score	.92
Exons	65..686, 819..992, 1052..1197, 1281..1353, 1448..1546, 1626..1808		
Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29438	Strand	+
Start	5451	End	8853
Name	OJ991101_05.0202.C12.o2.gs	Method	GENSCAN
Start	5451	End	8853
GI	none	Score	.76
Exons	5451..6445, 7779..8319, 8389..8853		
Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29438	Strand	+
Start	5451	End	8853
Name	OJ991101_05.0202.C12.o2.np	Method	AAT/NAP
Start	7849	End	8547
GI	4678202	Score	157
Exons	7849..8092, 8144..8239, 8396..8547		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29439	Strand	+
Start	11957	End	15145
Name	OJ991101_05.0202.C12.o3.gs	Method	GENSCAN
Start	11957	End	15145
GI	none	Score	.43
Exons	11957..12092, 12496..12679, 13392..13543, 14259..14368, 14439..14532, 14979..15145		
Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29440	Strand	+
Start	30208	End	31513
Name	OJ991101_05.0202.C12.o3.np	Method	AAT/NAP
Start	30208	End	31513
GI	6815099	Score	94
Exons	30208..30266, 31399..31513		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29441	Strand	+
Start	32792	End	35851
Name	OJ991101_05.0202.C12.o7.gs	Method	GENSCAN
Start	32792	End	35851
GI	none	Score	.69
Exons	32792..32953, 33391..33433, 33893..34003, 34687..34779, 35432..35649, 35723..35851		
Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12

Gene No.	29442	Strand	-
Start	10476	End	37159
Name	OJ991101_05.0202.C12.o1.tm	Method	TBLASTX:Maize
Start	5745	End	8241
GI	none	Score	36
Exons	5745..5783, 5789..5866, 5862..5948, 6066..6101, 7863..7961, 7864..7962, 7864..8004, 7901..8017, 7954..8094, 8149..8241		

Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29442	Strand	-
Start	10476	End	37159
Name	OJ991101_05.0202.C12.o4.np	Method	AAT/NAP
Start	10476	End	37159
GI	6016842	Score	95
Exons	10476..10497, 13365..13681, 14384..14458, 15647..15825, 27236..27381, 32793..32997, 37130..37159		
GI Descrip.	(AB033168) nuclear protein ZAP [Mus musculus]		

Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29442	Strand	-
Start	10476	End	37159
Name	OJ991101_05.0202.C12.o4.gs	Method	GENSCAN
Start	15571	End	18984
GI	none	Score	.65
Exons	15571..15678, 15724..15800, 16078..16155, 16825..17028, 18933..18984		

Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29442	Strand	-
Start	10476	End	37159
Name	OJ991101_05.0202.C12.o5.gs	Method	GENSCAN
Start	20681	End	27234
GI	none	Score	.57
Exons	20681..20765, 20856..21062, 23624..23729, 27165..27234		

Seq. No.	13805	Seq. ID	OJ991101_05.0202.C12
Gene No.	29442	Strand	-
Start	10476	End	37159
Name	OJ991101_05.0202.C12.o8.gs	Method	GENSCAN
Start	36814	End	37058
GI	none	Score	.98
Exons	36814..37058		

Seq. No.	13806	Seq. ID	OJ991101_05.0202.C13
Gene No.	29443	Strand	+
Start	2282	End	2507
Name	OJ991101_05.0202.C13.o1.gp	Method	AAT/GAP
Start	2282	End	2507
GI	2312838	Score	63
Exons	2282..2339, 2480..2507		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	13806	Seq. ID	OJ991101_05.0202.C13
Gene No.	29444	Strand	-
Start	2620	End	16506
Name	OJ991101_05.0202.C13.o1.np	Method	AAT/NAP

Start	2620	End	13077
GI	6539588	Score	239
Exons	2620..2651, 12764..13077		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	13806	Seq. ID	OJ991101_05.0202.C13
Gene No.	29444	Strand	-
Start	2620	End	16506
Name	OJ991101_05.0202.C13.o2.gs	Method	GENSCAN
Start	3355	End	16506
GI	none	Score	.5
Exons	3355..3493, 7290..7411, 7998..8069, 8767..8882, 9007..9198, 10675..10831, 11003..11349, 11599..11853, 12003..12553, 12777..13018, 13581..13761, 14395..14506, 14829..14954, 15480..15568, 16457..16506		

Seq. No.	13807	Seq. ID	OJ991101_05.0202.C14
Gene No.	29445	Strand	-
Start	461	End	2708
Name	OJ991101_05.0202.C14.o1.gs	Method	GENSCAN
Start	461	End	2708
GI	none	Score	.53
Exons	461..682, 753..906, 1533..1602, 2604..2708		

Seq. No.	13808	Seq. ID	OJ991101_05.0202.C15
Gene No.	29446	Strand	-
Start	689	End	971
Name	OJ991101_05.0202.C15.o1.gs	Method	GENSCAN
Start	689	End	971
GI	none	Score	.79
Exons	689..767, 934..971		

Seq. No.	13809	Seq. ID	OJ991101_05.0202.C17
Gene No.	29447	Strand	+
Start	969	End	1031
Name	OJ991101_05.0202.C17.o1.gs	Method	GENSCAN
Start	969	End	1031
GI	none	Score	.6
Exons	969..1031		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29448	Strand	+
Start	420	End	6706
Name	OJ991101_02.0202.C1.o1.gs	Method	GENSCAN
Start	420	End	6706
GI	none	Score	.4
Exons	420..1344, 1847..2029, 2236..3407, 4651..4801, 6384..6471, 6640..6706		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29448	Strand	+
Start	420	End	6706
Name	OJ991101_02.0202.C1.o1.np	Method	AAT/NAP
Start	420	End	3413
GI	5803260	Score	1012
Exons	420..1344, 1832..1952, 2243..3413		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29448	Strand	+
Start	420	End	6706
Name	OJ991101_02.0202.C1.o1.gp	Method	AAT/GAP
Start	1142	End	2289
GI	uC-osf1cyp099b05a1	Score	789
Exons	1142..1343, 1845..2029, 2236..2289		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o1.tc	Method	TBLASTX:Cress
Start	528	End	3260
GI	none	Score	81
Exons	528..587, 888..929, 957..1010, 1050..1112, 1224..1343, 1918..1995, 2391..3260, 2489..3019, 2979..3233		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o1.tm	Method	TBLASTX:Maize
Start	2298	End	3292
GI	none	Score	46
Exons	2298..2369, 2394..2696, 2492..2680, 2735..3025, 2736..3275, 3072..3260, 3176..3292		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o1.ts	Method	TBLASTX:Soybean
Start	2301	End	3089
GI	none	Score	65
Exons	2301..2387, 2382..2534, 2416..2487, 2552..3040, 2553..3089		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o1.tw	Method	TBLASTX:Wheat
Start	2412	End	2774
GI	none	Score	339
Exons	2412..2774, 2416..2487, 2489..2680, 2565..2696		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o2.tw	Method	TBLASTX:Wheat
Start	2775	End	3043
GI	none	Score	101
Exons	2775..2906, 2912..3043, 2919..3041		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o2.gp	Method	AAT/GAP

Start	6979	End	9397
GI	290_1.R1084	Score	2748
Exons	6979..7426, 8212..8518, 8732..9397		
GI Descrip.	'1419090/emb|CAA64422| 1.0e-138 (X94968) 37kDa chloroplast inner envelope membrane polypeptide precursor [Nicotiana tabacum]'		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o2.tm	Method	TBLASTX:Maize
Start	7113	End	9252
GI	none	Score	37
Exons	7113..7163, 7122..7220, 7211..7255, 7217..7267, 7260..7436, 7271..7489, 7274..7435, 7275..7436, 8209..8520, 8212..8520, 8216..8521, 8732..8905, 8734..9150, 8866..9000, 9005..9151, 9223..9252		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o3.ts	Method	TBLASTX:Soybean
Start	7257	End	7489
GI	none	Score	140
Exons	7257..7436, 7260..7340, 7271..7489		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o2.tc	Method	TBLASTX:Cress
Start	7270	End	9108
GI	none	Score	62
Exons	7270..7368, 7271..7390, 7275..7388, 7341..7475, 7388..7480, 8209..8268, 8216..8272, 8260..8310, 8300..8521, 8302..8520, 8307..8597, 8732..8905, 8734..9108, 9005..9106		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o2.gs	Method	GENSCAN
Start	7271	End	9315
GI	none	Score	.83
Exons	7271..7426, 8212..8518, 8732..9315		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o2.np	Method	AAT/NAP
Start	7274	End	9327
GI	1419090	Score	1236
Exons	7274..7426, 8212..8518, 8732..9135, 9193..9327		
GI Descrip.	(X94968) 37kDa chloroplast inner envelope membrane polypeptide precursor [Nicotiana tabacum]		

Seq. No.	13810	Seq. ID	OJ991101_02.0202.C1
Gene No.	29449	Strand	-
Start	6979	End	9397
Name	OJ991101_02.0202.C1.o2.ts	Method	TBLASTX:Soybean

Start	8209	End	9109
GI	none	Score	406
Exons	8209..8520, 8219..8521, 8732..8905, 8734..9075, 9005..9076, 9067..9108, 9068..9109		

Seq. No.	13811	Seq. ID	OJ991101_02.0202.C2
Gene No.	29450	Strand	-
Start	183	End	2278
Name	OJ991101_02.0202.C2.o1.gp	Method	AAT/GAP
Start	183	End	1130
GI	none	Score	895
Exons	183..526, 783..851, 1015..1130		

Seq. No.	13811	Seq. ID	OJ991101_02.0202.C2
Gene No.	29450	Strand	-
Start	183	End	2278
Name	OJ991101_02.0202.C2.o1.tm	Method	TBLASTX:Maize
Start	773	End	2268
GI	none	Score	95
Exons	773..853, 795..854, 795..854, 1007..1126, 1008..1127, 1010..1156, 1011..1193, 1227..1283, 1231..1287, 1514..1585, 1522..1587, 1528..1587, 2159..2260, 2160..2261, 2160..2267, 2161..2268		

Seq. No.	13811	Seq. ID	OJ991101_02.0202.C2
Gene No.	29450	Strand	-
Start	183	End	2278
Name	OJ991101_02.0202.C2.o1.np	Method	AAT/NAP
Start	999	End	2278
GI	4263048	Score	253
Exons	999..1124, 1227..1264, 1524..1587, 2156..2278		
GI Descrip.	(AC005142) putative hydrolase [Arabidopsis thaliana]		

Seq. No.	13811	Seq. ID	OJ991101_02.0202.C2
Gene No.	29450	Strand	-
Start	183	End	2278
Name	OJ991101_02.0202.C2.o2.gp	Method	AAT/GAP
Start	2158	End	2278
GI	LIB3432-035-P2-K1-H5	Score	176
Exons	2158..2278		
GI Descrip.	'4263048/gb|AAD15317| 2.0e-46 (AC005142) putative hydrolase [Arabidopsis thaliana]'		

Seq. No.	13812	Seq. ID	OJ991101_02.0202.C3
Gene No.	29451	Strand	-
Start	1	End	2256
Name	OJ991101_02.0202.C3.o1.np	Method	AAT/NAP
Start	1	End	2244
GI	4263048	Score	331
Exons	1..28, 492..619, 817..907, 2078..2244		
GI Descrip.	(AC005142) putative hydrolase [Arabidopsis thaliana]		

Seq. No.	13812	Seq. ID	OJ991101_02.0202.C3
Gene No.	29451	Strand	-
Start	1	End	2256
Name	OJ991101_02.0202.C3.o1.gp	Method	AAT/GAP
Start	32	End	885

GI	LIB3432-035-P2-K1-H5	Score	425
Exons	32..67, 492..619, 772..885		
GI Descrip.	'4263048/gb|AAD15317| 2.0e-46 (AC005142) putative hydrolase [Arabidopsis thaliana]'		

Seq. No.	13812	Seq. ID	OJ991101_02.0202.C3
Gene No.	29451	Strand	-
Start	1	End	2256
Name	OJ991101_02.0202.C3.o1.gs	Method	GENSCAN
Start	492	End	2115
GI	none	Score	.78
Exons	492..619, 772..907, 1654..1743, 2078..2115		

Seq. No.	13812	Seq. ID	OJ991101_02.0202.C3
Gene No.	29451	Strand	-
Start	1	End	2256
Name	OJ991101_02.0202.C3.o1.tc	Method	TBLASTX:Cress
Start	492	End	620
GI	none	Score	142
Exons	492..620, 497..619		

Seq. No.	13812	Seq. ID	OJ991101_02.0202.C3
Gene No.	29451	Strand	-
Start	1	End	2256
Name	OJ991101_02.0202.C3.o2.ts	Method	TBLASTX:Soybean
Start	494	End	620
GI	none	Score	128
Exons	494..619, 519..620		

Seq. No.	13812	Seq. ID	OJ991101_02.0202.C3
Gene No.	29451	Strand	-
Start	1	End	2256
Name	OJ991101_02.0202.C3.o1.ts	Method	TBLASTX:Soybean
Start	790	End	2256
GI	none	Score	56
Exons	790..858, 803..859, 871..909, 879..917, 2056..2256, 2060..2224		

Seq. No.	13812	Seq. ID	OJ991101_02.0202.C3
Gene No.	29451	Strand	-
Start	1	End	2256
Name	OJ991101_02.0202.C3.o1.tm	Method	TBLASTX:Maize
Start	2056	End	2245
GI	none	Score	194
Exons	2056..2244, 2060..2245		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29452	Strand	-
Start	1	End	87
Name	OJ991101_02.0202.C4.o1.gp	Method	AAT/GAP
Start	1	End	87
GI	72990_1.R1084	Score	174
Exons	1..87		
GI Descrip.	'4263048/gb|AAD15317| 4.0e-25 (AC005142) putative hydrolase [Arabidopsis thaliana]'		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-

Start	1169	End	6882
Name	OJ991101_02.0202.C4.o1.gs	Method	GENSCAN
Start	1169	End	5254
GI	none	Score	.61
Exons	1169..1180, 1885..2023, 2361..2470, 2910..2968, 3135..3190, 3865..3996, 4729..4856, 5008..5143, 5154..5254		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-
Start	1169	End	6882
Name	OJ991101_02.0202.C4.o1.tm	Method	TBLASTX:Maize
Start	2083	End	3999
GI	none	Score	94
Exons	2083..2163, 2083..2163, 2105..2164, 2354..2473, 2356..2502, 2357..2473, 2569..2625, 2883..2969, 2895..2969, 3664..3774, 3665..3775, 3669..3782, 3674..3781, 3843..3998, 3844..3999		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-
Start	1169	End	6882
Name	OJ991101_02.0202.C4.o1.np	Method	AAT/NAP
Start	2345	End	6880
GI	4263048	Score	690
Exons	2345..2470, 2569..2615, 2915..2968, 3669..3774, 3849..3996, 4729..4856, 5053..5143, 6714..6880		
GI Descrip.	(AC005142) putative hydrolase [Arabidopsis thaliana]		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-
Start	1169	End	6882
Name	OJ991101_02.0202.C4.o1.ts	Method	TBLASTX:Soybean
Start	2414	End	6844
GI	none	Score	67
Exons	2414..2473, 2569..2625, 2883..2966, 3664..3774, 3669..3767, 3674..3775, 3821..3997, 3843..3917, 3843..4001, 4729..4857, 4731..4856, 5009..5095, 5011..5118, 5098..5151, 5115..5150, 6708..6839, 6713..6844		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-
Start	1169	End	6882
Name	OJ991101_02.0202.C4.o1.tc	Method	TBLASTX:Cress
Start	3664	End	4857
GI	none	Score	100
Exons	3664..3774, 3665..3775, 3839..3973, 3843..3920, 3843..3998, 3844..3999, 4729..4857, 4729..4848, 4731..4856		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-
Start	1169	End	6882
Name	OJ991101_02.0202.C4.o3.gp	Method	AAT/GAP
Start	4729	End	5061
GI	LIB3432-035-P2-K1-H5	Score	305
Exons	4729..4856, 5008..5061		
GI Descrip.	'4263048/gb|AAD15317| 2.0e-46 (AC005142) putative hydrolase [Arabidopsis thaliana]'		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-
Start	1169	End	6882
Name	OJ991101_02.0202.C4.o4.gp	Method	AAT/GAP
Start	5042	End	6882
GI	72990_1.R1084	Score	467
Exons	5042..5143, 6714..6882		
GI Descrip.	'4263048/gb|AAD15317| 4.0e-25 (AC005142) putative hydrolase [Arabidopsis thaliana]'		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-
Start	1169	End	6882
Name	OJ991101_02.0202.C4.o2.gs	Method	GENSCAN
Start	6267	End	6679
GI	none	Score	.72
Exons	6267..6679		

Seq. No.	13813	Seq. ID	OJ991101_02.0202.C4
Gene No.	29453	Strand	-
Start	1169	End	6882
Name	OJ991101_02.0202.C4.o2.tm	Method	TBLASTX:Maize
Start	6708	End	6845
GI	none	Score	150
Exons	6708..6845, 6713..6844		

Seq. No.	13814	Seq. ID	OJ991101_02.0202.C5
Gene No.	29454	Strand	+
Start	770	End	1691
Name	OJ991101_02.0202.C5.o1.gs	Method	GENSCAN
Start	770	End	1691
GI	none	Score	.49
Exons	770..1051, 1539..1691		

Seq. No.	13814	Seq. ID	OJ991101_02.0202.C5
Gene No.	29455	Strand	-
Start	3718	End	4675
Name	OJ991101_02.0202.C5.o2.gs	Method	GENSCAN
Start	3718	End	4675
GI	none	Score	.94
Exons	3718..3837, 3859..4038, 4374..4437, 4647..4675		

Seq. No.	13815	Seq. ID	OJ991101_02.0202.C6
Gene No.	29456	Strand	+
Start	1	End	1644
Name	OJ991101_02.0202.C6.o1.np	Method	AAT/NAP
Start	1	End	1644
GI	5803260	Score	310
Exons	1..826, 1264..1384, 1570..1644		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	13815	Seq. ID	OJ991101_02.0202.C6
Gene No.	29456	Strand	+
Start	1	End	1644
Name	OJ991101_02.0202.C6.o2.np	Method	AAT/NAP
Start	1	End	1644
GI	685200	Score	42

Exons	1..30, 1308..1442, 1623..1644		
GI Descrip.	(L39930) fibrillin [Podocoryne carnea]		
Seq. No.	13815	Seq. ID	OJ991101_02.0202.C6
Gene No.	29456	Strand	+
Start	1	End	1644
Name	OJ991101_02.0202.C6.o1.gs	Method	GENSCAN
Start	78	End	1461
GI	none	Score	.89
Exons	78..826, 1279..1461		
Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29457	Strand	+
Start	1	End	1404
Name	OJ991101_02.0202.C7.o1.np	Method	AAT/NAP
Start	1	End	1404
GI	3355308	Score	253
Exons	1..464, 1269..1404		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		
Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29457	Strand	+
Start	1	End	1404
Name	OJ991101_02.0202.C7.o1.gs	Method	GENSCAN
Start	207	End	596
GI	none	Score	.77
Exons	207..596		
Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29458	Strand	+
Start	2366	End	5087
Name	OJ991101_02.0202.C7.o2.np	Method	AAT/NAP
Start	2351	End	5069
GI	5803260	Score	1070
Exons	2351..3278, 3387..3507, 3926..5069		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		
Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29458	Strand	+
Start	2366	End	5087
Name	OJ991101_02.0202.C7.o3.gs	Method	GENSCAN
Start	2366	End	5087
GI	none	Score	.93
Exons	2366..3278, 3402..3584, 3919..5087		
Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29459	Strand	-
Start	1041	End	4978
Name	OJ991101_02.0202.C7.o1.tc	Method	TBLASTX:Cress
Start	2	End	4978
GI	none	Score	287
Exons	2..136, 3..425, 2393..2518, 3088..3150, 3089..3154, 3182..3277, 3214..3276, 3473..3571, 4013..4039, 4074..4943, 4079..4207, 4098..4361, 4283..4381, 4463..4630, 4841..4978		
Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29459	Strand	-

Start	1041	End	4978
Name	OJ991101_02.0202.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	4970
GI	none	Score	280
Exons	2..220, 3..425, 3981..4052, 4043..4363, 4077..4379, 4419..4970, 4482..4952		

Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29459	Strand	-
Start	1041	End	4978
Name	OJ991101_02.0202.C7.o1.ts	Method	TBLASTX:Soybean
Start	3	End	4724
GI	none	Score	226
Exons	3..227, 5..142, 48..197, 3993..4070, 4013..4039, 4043..4219, 4065..4217, 4235..4465, 4236..4724, 4236..4703		

Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29459	Strand	-
Start	1041	End	4978
Name	OJ991101_02.0202.C7.o2.tw	Method	TBLASTX:Wheat
Start	3	End	4709
GI	none	Score	70
Exons	3..71, 105..212, 4458..4589, 4602..4709		

Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29459	Strand	-
Start	1041	End	4978
Name	OJ991101_02.0202.C7.o2.gs	Method	GENSCAN
Start	1041	End	1841
GI	none	Score	.64
Exons	1041..1047, 1090..1376, 1683..1841		

Seq. No.	13816	Seq. ID	OJ991101_02.0202.C7
Gene No.	29459	Strand	-
Start	1041	End	4978
Name	OJ991101_02.0202.C7.o1.tw	Method	TBLASTX:Wheat
Start	4095	End	4457
GI	none	Score	329
Exons	4095..4457, 4127..4363, 4248..4379		

Seq. No.	13817	Seq. ID	OJ991101_02.0202.C10
Gene No.	29460	Strand	+
Start	1	End	3126
Name	OJ991101_02.0202.C10.o1.gp	Method	AAT/GAP
Start	1	End	671
GI	428906	Score	689
Exons	1..58, 364..671		
GI Descrip.	3212863 6.0e-31 (AC004005) putative translation initiation factor [Arabidopsis thaliana]		

Seq. No.	13817	Seq. ID	OJ991101_02.0202.C10
Gene No.	29460	Strand	+
Start	1	End	3126
Name	OJ991101_02.0202.C10.o1.gs	Method	GENSCAN
Start	364	End	3112
GI	none	Score	.51
Exons	364..1048, 1188..1284, 1370..1424, 3050..3112		

Seq. No.	13817	Seq. ID	OJ991101_02.0202.C10
Gene No.	29460	Strand	+
Start	1	End	3126
Name	OJ991101_02.0202.C10.o1.np	Method	AAT/NAP
Start	421	End	3126
GI	3212863	Score	1027
Exons	421..1108, 1188..1284, 1370..1424, 3050..3126		
GI Descrip.	(AC004005) putative translation initiation factor eIF-2B delta subunit [Arabidopsis thaliana]		

Seq. No.	13817	Seq. ID	OJ991101_02.0202.C10
Gene No.	29461	Strand	-
Start	4164	End	4218
Name	OJ991101_02.0202.C10.o2.tm	Method	TBLASTX:Maize
Start	1	End	598
GI	none	Score	100
Exons	1..75, 2..88, 351..596, 352..597, 362..598, 363..596		

Seq. No.	13817	Seq. ID	OJ991101_02.0202.C10
Gene No.	29461	Strand	-
Start	4164	End	4218
Name	OJ991101_02.0202.C10.o1.ts	Method	TBLASTX:Soybean
Start	535	End	1078
GI	none	Score	710
Exons	535..1077, 537..1076, 539..1078		

Seq. No.	13817	Seq. ID	OJ991101_02.0202.C10
Gene No.	29461	Strand	-
Start	4164	End	4218
Name	OJ991101_02.0202.C10.o1.tm	Method	TBLASTX:Maize
Start	602	End	3112
GI	none	Score	399
Exons	602..1123, 606..1109, 607..1128, 1187..1228, 1234..1290, 1235..1288, 1367..1426, 1371..1427, 3049..3111, 3050..3112		

Seq. No.	13817	Seq. ID	OJ991101_02.0202.C10
Gene No.	29461	Strand	-
Start	4164	End	4218
Name	OJ991101_02.0202.C10.o2.gs	Method	GENSCAN
Start	4164	End	4218
GI	none	Score	.66
Exons	4164..4218		

Seq. No.	13818	Seq. ID	OJ991101_02.0202.C11
Gene No.	29462	Strand	+
Start	2859	End	5699
Name	OJ991101_02.0202.C11.o1.np	Method	AAT/NAP
Start	2859	End	5699
GI	6715717	Score	113
Exons	2859..2924, 3349..3586, 5619..5699		
GI Descrip.	(AC016447) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	13818	Seq. ID	OJ991101_02.0202.C11
Gene No.	29462	Strand	+
Start	2859	End	5699
Name	OJ991101_02.0202.C11.o1.gp	Method	AAT/GAP

Start	3134	End	3503
GI	none	Score	687
Exons	3134..3503		

Seq. No.	13818	Seq. ID	OJ991101_02.0202.C11
Gene No.	29462	Strand	+
Start	2859	End	5699
Name	OJ991101_02.0202.C11.o2.gp	Method	AAT/GAP
Start	3542	End	4219
GI	84922_1.R1084	Score	1211
Exons	3542..4219		
GI Descrip.	'3212863 6.0e-31 (AC004005) putative translation initiation factor [Arabidopsis thaliana]'		

Seq. No.	13818	Seq. ID	OJ991101_02.0202.C11
Gene No.	29463	Strand	-
Start	3278	End	4632
Name	OJ991101_02.0202.C11.o2.gs	Method	GENSCAN
Start	3278	End	4632
GI	none	Score	.8
Exons	3278..3547, 3611..3840, 4569..4632		

Seq. No.	13818	Seq. ID	OJ991101_02.0202.C11
Gene No.	29463	Strand	-
Start	3278	End	4632
Name	OJ991101_02.0202.C11.o1.tm	Method	TBLASTX:Maize
Start	3348	End	3699
GI	none	Score	226
Exons	3348..3428, 3493..3699, 3494..3616		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12
Gene No.	29464	Strand	+
Start	1070	End	4324
Name	OJ991101_02.0202.C12.o1.gs	Method	GENSCAN
Start	1070	End	4324
GI	none	Score	.41
Exons	1070..1281, 2142..2188, 2865..3213, 3215..3327, 3421..3531, 4029..4324		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12
Gene No.	29465	Strand	-
Start	4698	End	7688
Name	OJ991101_02.0202.C12.o1.tm	Method	TBLASTX:Maize
Start	4670	End	5507
GI	none	Score	733
Exons	4670..5425, 4670..5191, 4672..5277, 4675..5493, 4698..5489, 4701..5507		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12
Gene No.	29465	Strand	-
Start	4698	End	7688
Name	OJ991101_02.0202.C12.o1.tc	Method	TBLASTX:Cress
Start	4692	End	5669
GI	none	Score	908
Exons	4692..5303, 4699..5565, 5332..5601, 5346..5669, 5510..5599		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12

Gene No.	29465	Strand	-
Start	4698	End	7688
Name	OJ991101_02.0202.C12.o1.ts	Method	TBLASTX:Soybean
Start	4696	End	5669
GI	none	Score	646
Exons	4696..5301, 4696..4818, 4698..5549, 4701..5480, 5344..5481, 5472..5669, 5473..5559, 5484..5669		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12
Gene No.	29465	Strand	-
Start	4698	End	7688
Name	OJ991101_02.0202.C12.o1.tw	Method	TBLASTX:Wheat
Start	4696	End	4931
GI	none	Score	333
Exons	4696..4929, 4698..4931, 4699..4929, 4700..4930		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12
Gene No.	29465	Strand	-
Start	4698	End	7688
Name	OJ991101_02.0202.C12.o2.gs	Method	GENSCAN
Start	4698	End	7629
GI	none	Score	.62
Exons	4698..5356, 5378..5670, 7335..7372, 7510..7629		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12
Gene No.	29465	Strand	-
Start	4698	End	7688
Name	OJ991101_02.0202.C12.o1.np	Method	AAT/NAP
Start	4701	End	6921
GI	2454184	Score	1495
Exons	4701..5701, 6859..6921		
GI Descrip.	(U80186) pyruvate dehydrogenase E1 beta subunit [Arabidopsis thaliana]		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12
Gene No.	29465	Strand	-
Start	4698	End	7688
Name	OJ991101_02.0202.C12.o1.gp	Method	AAT/GAP
Start	5476	End	7688
GI	69391_1.R1084	Score	804
Exons	5476..5670, 7335..7372, 7465..7688		
GI Descrip.	'3128205 3.0e-21 (AC004077) putative pyruvate dehydrogenase complex E1 beta subunit [Arabidopsis thaliana] >gi_5702375_gb_AAD47282.1_AF167983_1 (AF167983) putative pyruvate dehydrogenase beta subunit [Arabidopsis thaliana]'		

Seq. No.	13819	Seq. ID	OJ991101_02.0202.C12
Gene No.	29465	Strand	-
Start	4698	End	7688
Name	OJ991101_02.0202.C12.o2.tm	Method	TBLASTX:Maize
Start	5508	End	5711
GI	none	Score	185
Exons	5508..5711, 5508..5669, 5510..5674		

Seq. No.	13820	Seq. ID	OJ991101_02.0202.C14
Gene No.	29466	Strand	+
Start	1	End	930

Name	OJ991101_02.0202.C14.o1.np	Method	AAT/NAP
Start	1	End	897
GI	3128214	Score	81
Exons	1..77, 807..897		
GI Descrip.	(AC004077) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13820	Seq. ID	OJ991101_02.0202.C14
Gene No.	29466	Strand	+
Start	1	End	930
Name	OJ991101_02.0202.C14.o1.gs	Method	GENSCAN
Start	145	End	930
GI	none	Score	.78
Exons	145..930		

Seq. No.	13820	Seq. ID	OJ991101_02.0202.C14
Gene No.	29467	Strand	-
Start	325	End	764
Name	OJ991101_02.0202.C14.o1.gp	Method	AAT/GAP
Start	325	End	764
GI	none	Score	831
Exons	325..764		

Seq. No.	13821	Seq. ID	OJ991101_02.0202.C16
Gene No.	29468	Strand	-
Start	505	End	656
Name	OJ991101_02.0202.C16.o1.gs	Method	GENSCAN
Start	505	End	656
GI	none	Score	.73
Exons	505..656		

Seq. No.	13822	Seq. ID	OJ991101_02.0202.C17
Gene No.	29469	Strand	+
Start	583	End	1522
Name	OJ991101_02.0202.C17.o1.gs	Method	GENSCAN
Start	583	End	1522
GI	none	Score	.55
Exons	583..803, 1418..1522		

Seq. No.	13822	Seq. ID	OJ991101_02.0202.C17
Gene No.	29470	Strand	-
Start	1	End	257
Name	OJ991101_02.0202.C17.o1.gp	Method	AAT/GAP
Start	1	End	257
GI	none	Score	420
Exons	1..257		

Seq. No.	13822	Seq. ID	OJ991101_02.0202.C17
Gene No.	29471	Strand	-
Start	850	End	2495
Name	OJ991101_02.0202.C17.o1.np	Method	AAT/NAP
Start	850	End	2495
GI	2832642	Score	72
Exons	850..936, 2456..2495		
GI Descrip.	(AL021710) putative protein [Arabidopsis thaliana]		

Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29472	Strand	+

Start	2066	End	2144
Name	OJ991101_02.0202.C18.o1.gp	Method	AAT/GAP
Start	2066	End	2144
GI	2312838	Score	73
Exons	2066..2144		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o1.np	Method	AAT/NAP
Start	1	End	2806
GI	6690272	Score	193
Exons	1..73, 155..237, 348..417, 860..931, 2765..2806		
GI Descrip.	(AF114386) putative protease HhoA precursor [Arabidopsis thaliana]		

Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o3.tm	Method	TBLASTX:Maize
Start	1	End	907
GI	none	Score	93
Exons	1..75, 2..85, 2..88, 151..267, 152..244, 318..410, 322..411, 352..408, 848..907		

Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o1.gs	Method	GENSCAN
Start	800	End	1338
GI	none	Score	.8
Exons	800..1018, 1102..1338		

Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o2.gp	Method	AAT/GAP
Start	2199	End	2979
GI	none	Score	1453
Exons	2199..2979		

Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o2.gs	Method	GENSCAN
Start	2498	End	4327
GI	none	Score	1
Exons	2498..4327		

Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o2.tm	Method	TBLASTX:Maize
Start	2549	End	2749
GI	none	Score	82

Exons	2549..2749, 2655..2708		
Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o2.np	Method	AAT/NAP
Start	2564	End	4340
GI	4454039	Score	1386
Exons	2564..4340		
GI Descrip.	(AL035394) putative Na+/H+-exchanging protein [Arabidopsis thaliana]		
Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o1.tw	Method	TBLASTX:Wheat
Start	2711	End	3125
GI	none	Score	34
Exons	2711..2737, 2711..2932, 2754..2927, 2933..3124, 2934..3125		
Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o3.ts	Method	TBLASTX:Soybean
Start	2945	End	3151
GI	none	Score	154
Exons	2945..3151, 2970..3149		
Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o1.tm	Method	TBLASTX:Maize
Start	2975	End	3646
GI	none	Score	330
Exons	2975..3376, 2976..3350, 3276..3461, 3357..3644, 3357..3500, 3374..3646		
Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o1.tc	Method	TBLASTX:Cress
Start	3008	End	3718
GI	none	Score	99
Exons	3008..3361, 3009..3140, 3180..3362, 3327..3461, 3374..3472, 3476..3691, 3477..3545, 3617..3718, 3621..3668		
Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o3.gp	Method	AAT/GAP
Start	3024	End	3471
GI	50716_1.R1084	Score	896
Exons	3024..3471		
GI Descrip.	'4454039/emb|CAA23036.1| 2.0e-39 (AL035394) putative Na+/H+-exchanging protein [Arabidopsis thaliana]'		
Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18

Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o2.ts	Method	TBLASTX:Soybean
Start	3182	End	3574
GI	none	Score	70
Exons	3182..3361, 3213..3347, 3345..3464, 3356..3481, 3488..3574		

Seq. No.	13823	Seq. ID	OJ991101_02.0202.C18
Gene No.	29473	Strand	-
Start	1	End	4340
Name	OJ991101_02.0202.C18.o1.ts	Method	TBLASTX:Soybean
Start	3647	End	3980
GI	none	Score	115
Exons	3647..3979, 3701..3949, 3723..3980		

Seq. No.	13824	Seq. ID	OJ991101_02.0202.C19
Gene No.	29474	Strand	+
Start	1892	End	3857
Name	OJ991101_02.0202.C19.o1.gs	Method	GENSCAN
Start	1892	End	3857
GI	none	Score	.86
Exons	1892..1915, 2931..3857		

Seq. No.	13824	Seq. ID	OJ991101_02.0202.C19
Gene No.	29475	Strand	-
Start	140	End	3748
Name	OJ991101_02.0202.C19.o1.np	Method	AAT/NAP
Start	140	End	3599
GI	4454039	Score	201
Exons	140..161, 3237..3358, 3408..3599		
GI Descrip.	(AL035394) putative Na+/H+-exchanging protein [Arabidopsis thaliana]		

Seq. No.	13824	Seq. ID	OJ991101_02.0202.C19
Gene No.	29475	Strand	-
Start	140	End	3748
Name	OJ991101_02.0202.C19.o1.gp	Method	AAT/GAP
Start	3369	End	3748
GI	49160_1.R1084	Score	656
Exons	3369..3748		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	13824	Seq. ID	OJ991101_02.0202.C19
Gene No.	29476	Strand	-
Start	4538	End	6085
Name	OJ991101_02.0202.C19.o2.gs	Method	GENSCAN
Start	4538	End	6085
GI	none	Score	.61
Exons	4538..4553, 6030..6085		

Seq. No.	13825	Seq. ID	OJ991101_02.0202.C20
Gene No.	29477	Strand	+
Start	2007	End	7631
Name	OJ991101_02.0202.C20.o1.gs	Method	GENSCAN
Start	2007	End	7631
GI	none	Score	.63

Exons	2007..2134, 3657..3716, 5358..5460, 7483..7631		
Seq. No.	13825	Seq. ID	OJ991101_02.0202.C20
Gene No.	29478	Strand	-
Start	2415	End	2471
Name	OJ991101_02.0202.C20.o1.gp	Method	AAT/GAP
Start	2415	End	2471
GI	2312838	Score	66
Exons	2415..2471		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	13825	Seq. ID	OJ991101_02.0202.C20
Gene No.	29479	Strand	-
Start	10415	End	13378
Name	OJ991101_02.0202.C20.o2.gs	Method	GENSCAN
Start	10415	End	13378
GI	none	Score	.56
Exons	10415..10673, 12981..13085, 13136..13378		
Seq. No.	13826	Seq. ID	OJ991101_02.0202.C21
Gene No.	29480	Strand	+
Start	803	End	1175
Name	OJ991101_02.0202.C21.o1.gs	Method	GENSCAN
Start	803	End	1175
GI	none	Score	.75
Exons	803..1175		
Seq. No.	13826	Seq. ID	OJ991101_02.0202.C21
Gene No.	29481	Strand	-
Start	3045	End	3137
Name	OJ991101_02.0202.C21.o1.gp	Method	AAT/GAP
Start	3045	End	3137
GI	LIB3477-003-P1-K1-E9	Score	142
Exons	3045..3137		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	13827	Seq. ID	OJ991101_02.0202.C23
Gene No.	29482	Strand	+
Start	1562	End	2227
Name	OJ991101_02.0202.C23.o1.gs	Method	GENSCAN
Start	1562	End	2227
GI	none	Score	.74
Exons	1562..1595, 2076..2227		
Seq. No.	13828	Seq. ID	OJ991101_02.0202.C25
Gene No.	29483	Strand	+
Start	497	End	2446
Name	OJ991101_02.0202.C25.o1.gp	Method	AAT/GAP
Start	497	End	2318
GI	11273_1.R1084	Score	1029
Exons	497..633, 916..981, 1449..1552, 2068..2318		
GI Descrip.	'3861189/emb|CAA15089| 2.0e-10 (AJ235272) 50S RIBOSOMAL PROTEIN L14 (rplN) [Rickettsia prowazekii]'		

Seq. No.	13828	Seq. ID	OJ991101_02.0202.C25
Gene No.	29483	Strand	+
Start	497	End	2446
Name	OJ991101_02.0202.C25.o1.tm	Method	TBLASTX:Maize
Start	941	End	2446
GI	none	Score	60
Exons	941..976, 942..977, 1447..1545, 1448..1552, 2064..2441, 2065..2442, 2087..2446		

Seq. No.	13828	Seq. ID	OJ991101_02.0202.C25
Gene No.	29483	Strand	+
Start	497	End	2446
Name	OJ991101_02.0202.C25.o1.gs	Method	GENSCAN
Start	1449	End	2442
GI	none	Score	.89
Exons	1449..1552, 2068..2442		

Seq. No.	13828	Seq. ID	OJ991101_02.0202.C25
Gene No.	29483	Strand	+
Start	497	End	2446
Name	OJ991101_02.0202.C25.o1.ts	Method	TBLASTX:Soybean
Start	2056	End	2442
GI	none	Score	172
Exons	2056..2415, 2064..2441, 2064..2435, 2065..2442		

Seq. No.	13828	Seq. ID	OJ991101_02.0202.C25
Gene No.	29483	Strand	+
Start	497	End	2446
Name	OJ991101_02.0202.C25.o1.tc	Method	TBLASTX:Cress
Start	2065	End	2270
GI	none	Score	209
Exons	2065..2217, 2065..2268, 2067..2270		

Seq. No.	13828	Seq. ID	OJ991101_02.0202.C25
Gene No.	29483	Strand	+
Start	497	End	2446
Name	OJ991101_02.0202.C25.o1.np	Method	AAT/NAP
Start	2080	End	2439
GI	6225960	Score	323
Exons	2080..2439		
GI Descrip.	50S RIBOSOMAL PROTEIN L14 gi|3861189|emb|CAA15089| (AJ235272) 50S RIBOSOMAL PROTEIN L14 (rplN) [Rickettsia prowazekii]		

Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29484	Strand	+
Start	2496	End	8489
Name	OJ991101_02.0202.C26.o2.gs	Method	GENSCAN
Start	2496	End	7735
GI	none	Score	.85
Exons	2496..2553, 2660..2773, 2886..3217, 3446..3641, 4248..4385, 4488..4664, 4752..5037, 5104..5265, 5673..5710, 5792..5955, 6047..6172, 6360..7082, 7274..7330, 7700..7735		

Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29484	Strand	+
Start	2496	End	8489
Name	OJ991101_02.0202.C26.o1.np	Method	AAT/NAP

Start	4055	End	8489
GI	4314358	Score	1086
Exons	4055..4168, 4294..4385, 4488..4664, 4752..5021, 5100..5265, 5364..5579, 5829..5960, 6052..6172, 8393..8489		
GI Descrip.	(AC006340) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29485	Strand	-
Start	113	End	1983
Name	OJ991101_02.0202.C26.o1.gs	Method	GENSCAN
Start	113	End	1983
GI	none	Score	.44
Exons	113..468, 1950..1983		

Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o1.tm	Method	TBLASTX:Maize
Start	4486	End	5577
GI	none	Score	152
Exons	4486..4659, 4487..4663, 4718..5002, 4738..5004, 5102..5263, 5215..5259, 5373..5573, 5374..5577		

Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o1.ts	Method	TBLASTX:Soybean
Start	4486	End	5245
GI	none	Score	97
Exons	4486..4545, 4487..4561, 4607..4663, 4612..4656, 4718..4828, 4750..4827, 4798..5004, 4826..5005, 5102..5245, 5111..5245		

Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o1.tc	Method	TBLASTX:Cress
Start	4487	End	5937
GI	none	Score	60
Exons	4487..4522, 4610..4654, 4709..4864, 4780..4884, 4940..5017, 5111..5266, 5380..5580, 5410..5577, 5671..5709, 5790..5918, 5791..5937		

Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o3.ts	Method	TBLASTX:Soybean
Start	5479	End	5925
GI	none	Score	105
Exons	5479..5580, 5505..5579, 5667..5696, 5671..5709, 5790..5903, 5791..5925		

Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o2.tm	Method	TBLASTX:Maize
Start	5670	End	6175
GI	none	Score	64

Exons	5670..5705, 5671..5709, 5764..5949, 5790..5957, 6053..6175		
Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o2.np	Method	AAT/NAP
Start	8177	End	9308
GI	6227001	Score	243
Exons	8177..8244, 8695..8988, 9283..9308		
GI Descrip.	(AC009360) Contains 3 PF|00400 WD40, G-beta repeat domains. [Arabidopsis thaliana]		
Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o3.tm	Method	TBLASTX:Maize
Start	8694	End	8896
GI	none	Score	217
Exons	8694..8891, 8697..8891, 8699..8896		
Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o2.ts	Method	TBLASTX:Soybean
Start	8699	End	8992
GI	none	Score	98
Exons	8699..8755, 8703..8945, 8762..8860, 8846..8992, 8852..8983, 8859..8987		
Seq. No.	13829	Seq. ID	OJ991101_02.0202.C26
Gene No.	29486	Strand	-
Start	8177	End	9308
Name	OJ991101_02.0202.C26.o1.gp	Method	AAT/GAP
Start	8731	End	8986
GI	none	Score	462
Exons	8731..8986		
Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29487	Strand	+
Start	2547	End	5081
Name	OJ991101_02.0202.C27.o2.gs	Method	GENSCAN
Start	2547	End	5081
GI	none	Score	.85
Exons	2547..5081		
Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29487	Strand	+
Start	2547	End	5081
Name	OJ991101_02.0202.C27.o2.np	Method	AAT/NAP
Start	2550	End	5078
GI	5734758	Score	1638
Exons	2550..4800, 4834..5078		
GI Descrip.	(AC007651) Similar to tuftelin-interacting protein [Arabidopsis thaliana]		
Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29487	Strand	+

Start	2547	End	5081
Name	OJ991101_02.0202.C27.o1.gp	Method	AAT/GAP
Start	2726	End	3248
GI	uC-osf1M202048d06b1	Score	1007
Exons	2726..3248		
GI Descrip.	'5739305/gb|AF160731.1|AF160731 1.0e-69 Oryza officinalis repetitive sequence'		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29487	Strand	+
Start	2547	End	5081
Name	OJ991101_02.0202.C27.o2.gp	Method	AAT/GAP
Start	3548	End	4028
GI	LIB3431-037-P1-K1-D5	Score	923
Exons	3548..4028		
GI Descrip.	'5734758/gb|AAD50023.1|AC007651_18 1.0e-29 (AC007651) Similar to tuftelin-interacting protein [Arabidopsis thaliana]'		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29487	Strand	+
Start	2547	End	5081
Name	OJ991101_02.0202.C27.o3.gp	Method	AAT/GAP
Start	4322	End	4822
GI	uC-osf1cyp122e01b1	Score	982
Exons	4322..4822		
GI Descrip.	'4567305/gb|AAD23716.1|AC005956_5 1.0e-50 (AC005956) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29488	Strand	-
Start	1	End	1394
Name	OJ991101_02.0202.C27.o1.np	Method	AAT/NAP
Start	1	End	689
GI	6227001	Score	407
Exons	1..689		
GI Descrip.	(AC009360) Contains 3 PF|00400 WD40, G-beta repeat domains. [Arabidopsis thaliana]		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29488	Strand	-
Start	1	End	1394
Name	OJ991101_02.0202.C27.o1.gs	Method	GENSCAN
Start	24	End	1394
GI	none	Score	.66
Exons	24..866, 1308..1394		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29489	Strand	-
Start	6683	End	8913
Name	OJ991101_02.0202.C27.o3.gs	Method	GENSCAN
Start	6683	End	8853
GI	none	Score	.96
Exons	6683..6760, 6846..6907, 7270..7508, 7584..7718, 7768..7854, 7933..8477, 8563..8853		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29489	Strand	-

Start	6683	End	8913
Name	OJ991101_02.0202.C27.o3.np	Method	AAT/NAP
Start	6828	End	8913
GI	2894569	Score	711
Exons	6828..6932, 7044..7198, 7267..7565, 7768..7854, 7933..8477, 8563..8913		
GI Descrip.	(AL021890) putative protein [Arabidopsis thaliana]		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o4.ts	Method	TBLASTX:Soybean
Start	3	End	266
GI	none	Score	102
Exons	3..122, 123..266		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o7.tm	Method	TBLASTX:Maize
Start	171	End	696
GI	none	Score	87
Exons	171..281, 216..281, 223..282, 285..329, 333..497, 382..423, 564..581, 637..696, 645..695		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o6.tm	Method	TBLASTX:Maize
Start	3341	End	3637
GI	none	Score	419
Exons	3341..3637, 3357..3635, 3425..3637		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o1.tm	Method	TBLASTX:Maize
Start	3836	End	4326
GI	none	Score	367
Exons	3836..4093, 3837..4094, 4095..4325, 4097..4321, 4099..4326		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o3.ts	Method	TBLASTX:Soybean
Start	4082	End	4303
GI	none	Score	241
Exons	4082..4303, 4083..4292		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o1.tc	Method	TBLASTX:Cress
Start	4275	End	4658
GI	none	Score	348
Exons	4275..4574, 4283..4573, 4581..4658, 4584..4646		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o4.tm	Method	TBLASTX:Maize
Start	4376	End	4640
GI	none	Score	453
Exons	4376..4639, 4377..4640		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o3.tm	Method	TBLASTX:Maize
Start	4721	End	5132
GI	none	Score	100
Exons	4721..4798, 4722..4799, 4790..5071, 4815..5072, 5090..5122, 5091..5132		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o2.tc	Method	TBLASTX:Cress
Start	6846	End	8730
GI	none	Score	63
Exons	6846..6950, 7050..7166, 7080..7163, 7268..7525, 7770..7895, 7935..8072, 8010..8075, 8136..8483, 8530..8730		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o5.tm	Method	TBLASTX:Maize
Start	6876	End	8655
GI	none	Score	76
Exons	6876..6935, 7047..7166, 7268..7522, 7440..7511, 7770..7883, 7924..8130, 7935..8075, 8136..8483, 8161..8484, 8530..8655		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o1.ts	Method	TBLASTX:Soybean
Start	7385	End	8656
GI	none	Score	198
Exons	7385..7522, 7770..7883, 7924..8268, 7935..8483, 8422..8475, 8530..8655, 8536..8652, 8597..8656		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o1.tw	Method	TBLASTX:Wheat
Start	7998	End	8300
GI	none	Score	84
Exons	7998..8075, 8002..8121, 8002..8232, 8136..8300, 8155..8268		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o4.gs	Method	GENSCAN
Start	9276	End	10952

GI	none	Score	.43
Exons	9276..10952		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o2.tm	Method	TBLASTX:Maize
Start	9470	End	10892
GI	none	Score	318
Exons	9470..9781, 9471..9944, 9472..9942, 9726..10043, 9840..10121, 9936..10136, 10032..10361, 10158..10436, 10260..10565, 10288..10533, 10563..10892		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o3.tc	Method	TBLASTX:Cress
Start	9480	End	10964
GI	none	Score	66
Exons	9480..9602, 9672..9890, 9672..9923, 9675..9824, 9678..10049, 9792..10160, 9886..10140, 9888..10241, 9978..10136, 9999..10364, 10062..10310, 10098..10463, 10167..10388, 10198..10446, 10206..10556, 10287..10436, 10308..10556, 10377..10565, 10413..10559, 10521..10589, 10578..10874, 10602..10829, 10603..10875, 10635..10964, 10695..10955, 10713..10964		

Seq. No.	13830	Seq. ID	OJ991101_02.0202.C27
Gene No.	29490	Strand	-
Start	9276	End	10964
Name	OJ991101_02.0202.C27.o2.ts	Method	TBLASTX:Soybean
Start	9666	End	10826
GI	none	Score	228
Exons	9666..9929, 9786..10151, 9787..10143, 9822..10151, 10131..10241, 10161..10442, 10209..10556, 10314..10589, 10578..10826		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29491	Strand	+
Start	680	End	2264
Name	OJ991201_04.0211.C1.o1.gs	Method	GENSCAN
Start	680	End	2264
GI	none	Score	.79
Exons	680..765, 781..817, 1255..1485, 1888..1939, 2260..2264		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29492	Strand	+
Start	2751	End	4559
Name	OJ991201_04.0211.C1.o1.np	Method	AAT/NAP
Start	2751	End	4559
GI	1345502	Score	1062
Exons	2751..3015, 3052..4267, 4455..4559		
GI Descrip.	(X57297) TNP2 [Antirrhinum majus]		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29493	Strand	+
Start	8416	End	8904
Name	OJ991201_04.0211.C1.o1.gp	Method	AAT/GAP
Start	8416	End	8904

GI	none	Score	962
Exons	8416..8904		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29494	Strand	+
Start	16169	End	18026
Name	OJ991201_04.0211.C1.o3.gs	Method	GENSCAN
Start	16169	End	18026
GI	none	Score	.79
Exons	16169..16174, 17898..18026		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29495	Strand	+
Start	19798	End	25684
Name	OJ991201_04.0211.C1.o4.gs	Method	GENSCAN
Start	19798	End	25684
GI	none	Score	.93
Exons	19798..19806, 20561..20955, 21157..21235, 21335..21537, 22620..22692, 23596..23751, 24399..24575, 24837..24911, 25005..25145, 25463..25684		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29495	Strand	+
Start	19798	End	25684
Name	OJ991201_04.0211.C1.o3.np	Method	AAT/NAP
Start	20072	End	20223
GI	5042462	Score	104
Exons	20072..20123, 20152..20223		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29495	Strand	+
Start	19798	End	25684
Name	OJ991201_04.0211.C1.o2.gp	Method	AAT/GAP
Start	20595	End	21418
GI	60790_1.R1084	Score	708
Exons	20595..20722, 20817..20955, 21157..21235, 21335..21418		
GI Descrip.	'5902181/gb|AAD01211.2| 1.0e-12 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29495	Strand	+
Start	19798	End	25684
Name	OJ991201_04.0211.C1.o4.np	Method	AAT/NAP
Start	20619	End	25678
GI	6912248	Score	868
Exons	20619..20722, 20817..20955, 21157..21235, 21335..21543, 22629..22692, 23417..23500, 23596..23751, 24399..24569, 24837..24911, 25005..25145, 25463..25678		
GI Descrip.	aspartyl aminopeptidase gi|5902181|gb|AAD01211.2| (AF005050) aspartyl aminopeptidase [Homo sapiens]		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29495	Strand	+
Start	19798	End	25684
Name	OJ991201_04.0211.C1.o3.gp	Method	AAT/GAP

Start	23434	End	25027
GI	17218_1.R1084	Score	865
Exons	23434..23500, 23596..23751, 24399..24575, 24837..24911, 25005..25027		
GI Descrip.	'4101591 4.0e-34 (AF005051) aspartyl aminopeptidase [Mus musculus]'		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29496	Strand	-
Start	12340	End	15679
Name	OJ991201_04.0211.C1.o3.ts	Method	TBLASTX:Soybean
Start	3398	End	3811
GI	none	Score	99
Exons	3398..3508, 3581..3811		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29496	Strand	-
Start	12340	End	15679
Name	OJ991201_04.0211.C1.o2.tc	Method	TBLASTX:Cress
Start	3575	End	3892
GI	none	Score	254
Exons	3575..3892, 3580..3699, 3736..3885		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29496	Strand	-
Start	12340	End	15679
Name	OJ991201_04.0211.C1.o2.tw	Method	TBLASTX:Wheat
Start	3683	End	3954
GI	none	Score	268
Exons	3683..3952, 3685..3954		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29496	Strand	-
Start	12340	End	15679
Name	OJ991201_04.0211.C1.o2.tm	Method	TBLASTX:Maize
Start	3734	End	4132
GI	none	Score	251
Exons	3734..3952, 3737..3862, 3739..3951, 3786..3959, 3955..4131, 3961..4131, 3965..4132		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29496	Strand	-
Start	12340	End	15679
Name	OJ991201_04.0211.C1.o4.ts	Method	TBLASTX:Soybean
Start	3964	End	4201
GI	none	Score	202
Exons	3964..4146, 3968..4201		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29496	Strand	-
Start	12340	End	15679
Name	OJ991201_04.0211.C1.o2.np	Method	AAT/NAP
Start	12340	End	15679
GI	4678214	Score	353
Exons	12340..12857, 15637..15679		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29497	Strand	
Start	20685	End	25693
Name	OJ991201_04.0211.C1.o2.ts	Method	TBLASTX:Soybean
Start	20685	End	22692
GI	none	Score	62
Exons	20685..20720, 20686..20721, 20815..20880, 20816..20878, 20884..20958, 20885..20998, 21155..21202, 21157..21237, 21163..21237, 21322..21528, 21328..21543, 21329..21562, 22630..22692		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29497	Strand	
Start	20685	End	25693
Name	OJ991201_04.0211.C1.o4.tc	Method	TBLASTX:Cress
Start	20686	End	21430
GI	none	Score	62
Exons	20686..20721, 20816..20878, 20885..20998, 21154..21234, 21155..21202, 21193..21234, 21329..21430, 21332..21418, 21337..21423		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29497	Strand	
Start	20685	End	25693
Name	OJ991201_04.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	20893	End	24899
GI	none	Score	99
Exons	20893..20970, 20894..20998, 21155..21202, 21157..21237, 21162..21236, 21163..21237, 21315..21413, 21322..21537, 21329..21544, 21334..21537, 21639..21707, 22615..22692, 22618..22692, 23416..23448, 23457..23498, 23458..23544, 23587..23760, 23590..23754, 23591..23755, 24392..24475, 24392..24580, 24396..24581, 24834..24899, 24836..24898		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29497	Strand	
Start	20685	End	25693
Name	OJ991201_04.0211.C1.o1.ts	Method	TBLASTX:Soybean
Start	23581	End	25687
GI	none	Score	252
Exons	23581..23760, 23586..23750, 24396..24566, 24397..24519, 24398..24562, 24828..24911, 24842..24916, 24860..24916, 24994..25092, 25004..25117, 25004..25138, 25005..25145, 25457..25687, 25462..25632		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29497	Strand	
Start	20685	End	25693
Name	OJ991201_04.0211.C1.o3.tc	Method	TBLASTX:Cress
Start	23713	End	25121
GI	none	Score	72
Exons	23713..23760, 24396..24563, 24398..24562, 24447..24563, 24834..24911, 24839..24916, 24839..24916, 24996..25121, 25004..25096		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29497	Strand	

Start	20685	End	25693
Name	OJ991201_04.0211.C1.o3.tm	Method	TBLASTX:Maize
Start	25003	End	25685
GI	none	Score	239
Exons	25003..25146, 25004..25147, 25005..25145, 25006..25152, 25456..25659, 25457..25678, 25459..25638, 25461..25685, 25461..25664		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29497	Strand	
Start	20685	End	25693
Name	OJ991201_04.0211.C1.o1.tc	Method	TBLASTX:Cress
Start	25454	End	25687
GI	none	Score	348
Exons	25454..25510, 25457..25687, 25462..25638, 25541..25666		

Seq. No.	13831	Seq. ID	OJ991201_04.0211.C1
Gene No.	29497	Strand	
Start	20685	End	25693
Name	OJ991201_04.0211.C1.o1.tw	Method	TBLASTX:Wheat
Start	25456	End	25693
GI	none	Score	237
Exons	25456..25659, 25457..25693, 25462..25638		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29498	Strand	+
Start	553	End	937
Name	OJ991201_04.0211.C2.o2.gp	Method	AAT/GAP
Start	553	End	937
GI	5004566	Score	121
Exons	553..642, 915..937		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29499	Strand	+
Start	15068	End	15451
Name	OJ991201_04.0211.C2.o2.np	Method	AAT/NAP
Start	14993	End	15437
GI	4581143	Score	137
Exons	14993..15437		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29499	Strand	+
Start	15068	End	15451
Name	OJ991201_04.0211.C2.o3.gs	Method	GENSCAN
Start	15068	End	15451
GI	none	Score	.86
Exons	15068..15451		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29500	Strand	+
Start	18939	End	29173
Name	OJ991201_04.0211.C2.o5.gs	Method	GENSCAN
Start	18939	End	29173
GI	none	Score	.51

Exons	18939..18992, 19426..19444, 19934..19964, 20721..20887, 21039..21200, 21359..21458, 21619..21745, 21873..21920, 22034..22243, 22343..22420, 22886..23022, 26001..26191, 26237..26346, 28562..28701, 29083..29173		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29500	Strand	+
Start	18939	End	29173
Name	OJ991201_04.0211.C2.o3.np	Method	AAT/NAP
Start	21119	End	27063
GI	2281115	Score	348
Exons	21119..21249, 21359..21458, 21560..21745, 22034..22099, 22343..22424, 27014..27063		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29501	Strand	+
Start	29404	End	29621
Name	OJ991201_04.0211.C2.o6.gp	Method	AAT/GAP
Start	29404	End	29621
GI	6025105	Score	367
Exons	29404..29621		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29502	Strand	+
Start	30456	End	36777
Name	OJ991201_04.0211.C2.o6.gs	Method	GENSCAN
Start	30456	End	36777
GI	none	Score	.62
Exons	30456..30589, 30894..31036, 32040..32196, 35046..35174, 35294..35415, 36289..36618, 36668..36777		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29503	Strand	+
Start	37892	End	43073
Name	OJ991201_04.0211.C2.o4.np	Method	AAT/NAP
Start	37892	End	42596
GI	6091723	Score	1376
Exons	37892..38596, 39078..39300, 39329..39844, 40141..40408, 40501..40722, 41017..41190, 41310..41498, 41617..41730, 42309..42596		
GI Descrip.	(AC010797) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29503	Strand	+
Start	37892	End	43073
Name	OJ991201_04.0211.C2.o7.gs	Method	GENSCAN
Start	37892	End	43073
GI	none	Score	.82
Exons	37892..38578, 39078..39844, 40141..40408, 40501..40722, 41017..41190, 41310..41567, 41617..41730, 42303..42559, 42959..43073		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29503	Strand	+

Start	37892	End	43073
Name	OJ991201_04.0211.C2.o8.gp	Method	AAT/GAP
Start	41130	End	41510
GI	6024972	Score	414
Exons	41130..41190, 41310..41510		
GI Descrip.	4567304/gb|AAD23715.1|AC005956_4 1.0e-17 (AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29503	Strand	+
Start	37892	End	43073
Name	OJ991201_04.0211.C2.o9.gp	Method	AAT/GAP
Start	41630	End	42696
GI	702699	Score	922
Exons	41630..41730, 42303..42696		
GI Descrip.	6091723/gb|AAF03435.1|AC010797_11 4.0e-18 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29504	Strand	+
Start	55502	End	61632
Name	OJ991201_04.0211.C2.o11.gs	Method	GENSCAN
Start	55502	End	61632
GI	none	Score	.86
Exons	55502..55647, 56532..56636, 56645..57020, 57184..57360, 58318..58466, 60736..60858, 61482..61632		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29504	Strand	+
Start	55502	End	61632
Name	OJ991201_04.0211.C2.o12.gp	Method	AAT/GAP
Start	57934	End	58013
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	57934..58013		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29505	Strand	-
Start	1	End	102
Name	OJ991201_04.0211.C2.o1.gp	Method	AAT/GAP
Start	1	End	102
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	1..102		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29506	Strand	-
Start	3976	End	12476
Name	OJ991201_04.0211.C2.o3.gp	Method	AAT/GAP
Start	3684	End	7562
GI	435_2.R1084	Score	2196
Exons	3684..4074, 4674..4763, 5403..5570, 5691..5810, 5898..6043, 7322..7562		

GI Descrip. '585337/sp|Q08479|KADA_ORYSA 1.0e-135 ADENYLATE KINASE A (ATP-AMP TRANSPHOSPHORYLASE) >gi_391877_dbj_BAA01180_ (D10334) adenylate kinase-a [Oryza sativa]'

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29506	Strand	-
Start	3976	End	12476
Name	OJ991201_04.0211.C2.o2.gs	Method	GENSCAN
Start	3976	End	12476
GI	none	Score	.81
Exons	3976..4074, 4674..4763, 5403..5570, 5691..5810, 5898..6043, 7322..7496, 7820..7859, 12358..12476		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29506	Strand	-
Start	3976	End	12476
Name	OJ991201_04.0211.C2.o1.np	Method	AAT/NAP
Start	3979	End	7424
GI	585337	Score	1088
Exons	3979..4074, 4674..4763, 5403..5570, 5691..5810, 5898..6043, 7322..7424		

GI Descrip. ADENYLATE KINASE A (ATP-AMP TRANSPHOSPHORYLASE) gi|391877|dbj|BAA01180| (D10334) adenylate kinase-a [Oryza sativa]

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29507	Strand	-
Start	15486	End	17998
Name	OJ991201_04.0211.C2.o4.gs	Method	GENSCAN
Start	15486	End	17998
GI	none	Score	.74
Exons	15486..15563, 15725..15928, 16221..16362, 16502..16819, 17883..17998		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29508	Strand	-
Start	19668	End	19791
Name	OJ991201_04.0211.C2.o4.gp	Method	AAT/GAP
Start	19668	End	19791
GI	LIB3477-003-P1-K1-E9	Score	167
Exons	19668..19791		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29509	Strand	-
Start	28116	End	28741
Name	OJ991201_04.0211.C2.o5.gp	Method	AAT/GAP
Start	28116	End	28741
GI	20494_3.R1084	Score	1044
Exons	28116..28741		

GI Descrip. '1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2

Gene No.	29510	Strand	-
Start	31062	End	31365
Name	OJ991201_04.0211.C2.o7.gp	Method	AAT/GAP
Start	31062	End	31365
GI	72524_1.R1084	Score	425
Exons	31062..31365		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29511	Strand	-
Start	44677	End	48158
Name	OJ991201_04.0211.C2.o8.gs	Method	GENSCAN
Start	44677	End	46242
GI	none	Score	.4
Exons	44677..46242		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29511	Strand	-
Start	44677	End	48158
Name	OJ991201_04.0211.C2.o5.np	Method	AAT/NAP
Start	45208	End	48158
GI	3645898	Score	595
Exons	45208..45335, 45411..45888, 45964..46929, 48104..48158		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29511	Strand	-
Start	44677	End	48158
Name	OJ991201_04.0211.C2.o9.gs	Method	GENSCAN
Start	46634	End	47011
GI	none	Score	.81
Exons	46634..47011		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29512	Strand	-
Start	49571	End	54237
Name	OJ991201_04.0211.C2.o10.gs	Method	GENSCAN
Start	49571	End	53323
GI	none	Score	.69
Exons	49571..50123, 50565..50653, 50867..51052, 51117..51191, 51630..51812, 52171..52219, 52319..52532, 52987..53323		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29512	Strand	-
Start	49571	End	54237
Name	OJ991201_04.0211.C2.o6.np	Method	AAT/NAP
Start	49574	End	54237
GI	4678262	Score	1526
Exons	49574..50123, 50565..50653, 50867..51052, 51630..51812, 52171..52219, 52319..52441, 54201..54237		
GI Descrip.	(AL049657) argininosuccinate synthase-like protein [Arabidopsis thaliana]		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29512	Strand	-

Start	49571	End	54237
Name	OJ991201_04.0211.C2.o10.gp	Method	AAT/GAP
Start	49752	End	52345
GI	22826_1.R1084	Score	1813
Exons	49752..50123, 50565..50653, 50867..51052, 51117..51191, 51630..51812, 52171..52219, 52319..52345		
GI Descrip.	'4678262/emb|CAB41123.1| 1.0e-123 (AL049657) argininosuccinate synthase-like protein [Arabidopsis thaliana]'		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29513	Strand	-
Start	56492	End	56608
Name	OJ991201_04.0211.C2.o11.gp	Method	AAT/GAP
Start	56492	End	56608
GI	2799534	Score	118
Exons	56492..56608		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29514	Strand	-
Start	56674	End	70737
Name	OJ991201_04.0211.C2.o7.np	Method	AAT/NAP
Start	56674	End	64127
GI	3176660	Score	1778
Exons	56674..56899, 56976..57438, 62548..63207, 63253..64127		
GI Descrip.	(AC004393) Similar to ERECTA receptor protein kinase gb|U47029 from A. thaliana. [Arabidopsis thaliana] gi|6382533|gb|AAF07815.1|AC011020_15 (AC011020) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29514	Strand	-
Start	56674	End	70737
Name	OJ991201_04.0211.C2.o12.gs	Method	GENSCAN
Start	62539	End	70737
GI	none	Score	.49
Exons	62539..64198, 65771..65852, 66631..66779, 69661..69849, 70682..70737		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29514	Strand	-
Start	56674	End	70737
Name	OJ991201_04.0211.C2.o13.gp	Method	AAT/GAP
Start	66232	End	66298
GI	4715947	Score	76
Exons	66232..66298		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o2.tm	Method	TBLASTX:Maize
Start	3817	End	7415
GI	none	Score	40

Exons	3817..3936, 3844..3936, 3976..4074, 3977..4075, 4671..4760, 4671..4763, 4672..4764, 5382..5573, 5398..5571, 5465..5614, 5668..5766, 5676..5810, 5691..5813, 5898..6044, 5898..6050, 5899..6045, 7320..7415, 7321..7365		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o1.tc	Method	TBLASTX:Cress
Start	3958	End	7415
GI	none	Score	79
Exons	3958..4074, 3977..4075, 4176..4220, 4671..4763, 4672..4761, 5382..5573, 5404..5571, 5671..5766, 5676..5810, 5691..5810, 5898..6047, 5902..6045, 7320..7415		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o2.ts	Method	TBLASTX:Soybean
Start	3968	End	7415
GI	none	Score	98
Exons	3968..4075, 3976..4074, 4671..4763, 4672..4764, 5382..5573, 5403..5573, 5462..5614, 5676..5810, 5691..5813, 5898..6041, 5898..6050, 5899..6045, 7320..7415		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o2.tw	Method	TBLASTX:Wheat
Start	5754	End	7415
GI	none	Score	86
Exons	5754..5813, 5755..5820, 5894..6043, 5896..6045, 5898..6050, 5899..6045, 7320..7415, 7321..7359		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o4.ts	Method	TBLASTX:Soybean
Start	21356	End	22420
GI	none	Score	107
Exons	21356..21463, 21363..21461, 21538..21747, 21560..21760, 22034..22117, 22118..22207, 22340..22420		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o8.tm	Method	TBLASTX:Maize
Start	21356	End	22420
GI	none	Score	42
Exons	21356..21418, 21359..21385, 21363..21461, 21367..21468, 21538..21741, 21560..21760, 22034..22117, 22118..22207, 22118..22222, 22340..22420, 22342..22413		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o5.tc	Method	TBLASTX:Cress

Start	21363	End	22207
GI	none	Score	108
Exons	21363..21461, 21368..21460, 21538..21747, 21560..21760, 22034..22117, 22118..22207		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o7.tm	Method	TBLASTX:Maize
Start	38254	End	39173
GI	none	Score	213
Exons	38254..38454, 38255..38455, 38396..38503, 38424..38495, 38495..38587, 38508..38579, 38510..38587, 39066..39173		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o6.tc	Method	TBLASTX:Cress
Start	39609	End	39881
GI	none	Score	98
Exons	39609..39845, 39626..39847, 39654..39881		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o10.tm	Method	TBLASTX:Maize
Start	39654	End	40192
GI	none	Score	222
Exons	39654..39845, 39659..39844, 40136..40192		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o4.tc	Method	TBLASTX:Cress
Start	40309	End	41468
GI	none	Score	131
Exons	40309..40413, 40316..40411, 40323..40424, 40498..40557, 40585..40725, 40593..40652, 40635..40736, 41005..41187, 41016..41186, 41016..41189, 41017..41193, 41309..41344, 41310..41408, 41415..41468		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o5.tm	Method	TBLASTX:Maize
Start	40330	End	40745
GI	none	Score	123
Exons	40330..40407, 40331..40405, 40331..40408, 40498..40605, 40502..40603, 40592..40717, 40593..40721, 40605..40745, 40606..40725		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o3.ts	Method	TBLASTX:Soybean
Start	41016	End	41375
GI	none	Score	120

Exons	41016..41189, 41016..41189, 41017..41199, 41310..41375		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o3.tm	Method	TBLASTX:Maize
Start	41025	End	42419
GI	none	Score	154
Exons	41025..41189, 41028..41189, 41029..41193, 41309..41344, 41310..41504, 41311..41508, 41311..41496, 41417..41500, 41587..41700, 41615..41740, 41616..41732, 42315..42356, 42357..42419		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o6.tm	Method	TBLASTX:Maize
Start	42419	End	42602
GI	none	Score	263
Exons	42419..42601, 42420..42602		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o9.tm	Method	TBLASTX:Maize
Start	46300	End	46665
GI	none	Score	66
Exons	46300..46650, 46313..46603, 46441..46665		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	49555	End	52503
GI	none	Score	192
Exons	49555..49746, 49570..50121, 49571..50122, 49575..50123, 49783..50139, 50553..50654, 50558..50656, 50563..50655, 50564..50656, 50866..51009, 50867..51052, 50868..51053, 51115..51192, 51126..51194, 51628..51813, 51630..51815, 51630..51815, 52154..52222, 52171..52266, 52171..52221, 52309..52422, 52309..52431, 52423..52503, 52427..52453		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	49557	End	52437
GI	none	Score	599
Exons	49557..50126, 49560..50123, 49571..50128, 50553..50654, 50564..50656, 50600..50656, 50866..51003, 50867..51052, 50868..51053, 51102..51194, 51115..51141, 51115..51219, 51126..51197, 51628..51801, 51630..51815, 51634..51813, 52154..52222, 52171..52221, 52309..52392, 52309..52437		
Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305

Name	OJ991201_04.0211.C2.o2.tc	Method	TBLASTX:Cress
Start	49580	End	50078
GI	none	Score	270
Exons	49580..49858, 49581..49868, 49583..49873, 49871..49903, 49904..50077, 49905..50078		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o3.tc	Method	TBLASTX:Cress
Start	50552	End	51155
GI	none	Score	114
Exons	50552..50656, 50563..50655, 50564..50656, 50835..51056, 50866..51009, 50867..51052, 51102..51155		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o1.tw	Method	TBLASTX:Wheat
Start	50937	End	52206
GI	none	Score	188
Exons	50937..51053, 50938..51009, 50939..51055, 50939..51052, 51100..51141, 51102..51194, 51116..51148, 51126..51194, 51630..51815, 51631..51813, 51758..51826, 52171..52206		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o11.tm	Method	TBLASTX:Maize
Start	57250	End	57424
GI	none	Score	130
Exons	57250..57423, 57290..57424		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o7.tc	Method	TBLASTX:Cress
Start	57250	End	63731
GI	none	Score	77
Exons	57250..57426, 57284..57424, 62560..62700, 63555..63731		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o5.ts	Method	TBLASTX:Soybean
Start	57286	End	62634
GI	none	Score	158
Exons	57286..57414, 57287..57415, 62548..62634		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o4.tm	Method	TBLASTX:Maize
Start	63331	End	63825
GI	none	Score	101
Exons	63331..63393, 63332..63391, 63403..63825, 63420..63794, 63471..63614, 63564..63737		

Seq. No.	13832	Seq. ID	OJ991201_04.0211.C2
Gene No.	29515	Strand	-
Start	72033	End	72305
Name	OJ991201_04.0211.C2.o13.gs	Method	GENSCAN
Start	72033	End	72305
GI	none	Score	.84
Exons	72033..72147, 72215..72305		

Seq. No.	13833	Seq. ID	OJ991201_04.0211.C3
Gene No.	29516	Strand	-
Start	1	End	480
Name	OJ991201_04.0211.C3.o1.np	Method	AAT/NAP
Start	1	End	480
GI	4680204	Score	355
Exons	1..480		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13833	Seq. ID	OJ991201_04.0211.C3
Gene No.	29516	Strand	-
Start	1	End	480
Name	OJ991201_04.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	26	End	327
GI	none	Score	75
Exons	26..319, 125..289, 162..326, 193..327		

Seq. No.	13833	Seq. ID	OJ991201_04.0211.C3
Gene No.	29516	Strand	-
Start	1	End	480
Name	OJ991201_04.0211.C3.o1.gs	Method	GENSCAN
Start	73	End	400
GI	none	Score	.6
Exons	73..400		

Seq. No.	13834	Seq. ID	OJ991201_04.0211.C4
Gene No.	29517	Strand	-
Start	1	End	386
Name	OJ991201_04.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	380
GI	3287842	Score	366
Exons	1..380		
GI Descrip.	CELL DIVISION PROTEIN FTSZ gi|2665347|emb|CAA74240| (Y13922) ftsZ [Enterococcus hirae]		

Seq. No.	13834	Seq. ID	OJ991201_04.0211.C4
Gene No.	29517	Strand	-
Start	1	End	386
Name	OJ991201_04.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	3	End	350
GI	none	Score	109
Exons	3..200, 192..350		

Seq. No.	13834	Seq. ID	OJ991201_04.0211.C4
Gene No.	29517	Strand	-
Start	1	End	386
Name	OJ991201_04.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	3	End	341

GI	none	Score	73
Exons	3..185, 192..341, 234..335		
Seq. No.	13834	Seq. ID	OJ991201_04.0211.C4
Gene No.	29517	Strand	-
Start	1	End	386
Name	OJ991201_04.0211.C4.o1.gs	Method	GENSCAN
Start	59	End	386
GI	none	Score	.99
Exons	59..386		
Seq. No.	13835	Seq. ID	OJ991201_04.0211.C6
Gene No.	29518	Strand	-
Start	204	End	257
Name	OJ991201_04.0211.C6.o1.gs	Method	GENSCAN
Start	204	End	257
GI	none	Score	.68
Exons	204..257		
Seq. No.	13836	Seq. ID	OJ991011_01.0202.C1
Gene No.	29519	Strand	+
Start	109	End	612
Name	OJ991011_01.0202.C1.o1.np	Method	AAT/NAP
Start	109	End	612
GI	2493318	Score	118
Exons	109..612		
GI Descrip.	BLUE COPPER PROTEIN PRECURSOR gi|562779|emb|CAA80963| (Z25471) blue copper protein [Pisum sativum] gi|1098264|prf||2115352A blue Cu protein [Pisum sativum]		
Seq. No.	13836	Seq. ID	OJ991011_01.0202.C1
Gene No.	29519	Strand	+
Start	109	End	612
Name	OJ991011_01.0202.C1.o1.gs	Method	GENSCAN
Start	287	End	584
GI	none	Score	.99
Exons	287..584		
Seq. No.	13837	Seq. ID	OJ991011_01.0202.C2
Gene No.	29520	Strand	-
Start	76	End	304
Name	OJ991011_01.0202.C2.o1.gp	Method	AAT/GAP
Start	76	End	304
GI	28858_1.R1084	Score	212
Exons	76..155, 239..304		
GI Descrip.	'3747044 7.0e-10 (AF093537) blue copper protein [Zea mays]'		
Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3
Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o1.np	Method	AAT/NAP
Start	1	End	1380
GI	6466937	Score	1026
Exons	1..1380		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3
Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o1.gs	Method	GENSCAN
Start	45	End	1363
GI	none	Score	.85
Exons	45..1103, 1113..1363		

Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3
Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o2.tm	Method	TBLASTX:Maize
Start	57	End	581
GI	none	Score	46
Exons	57..98, 105..581, 158..352, 195..539		

Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3
Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o1.ts	Method	TBLASTX:Soybean
Start	156	End	377
GI	none	Score	204
Exons	156..377, 158..280		

Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3
Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o1.tw	Method	TBLASTX:Wheat
Start	156	End	542
GI	none	Score	245
Exons	156..542		

Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3
Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o3.tm	Method	TBLASTX:Maize
Start	585	End	830
GI	none	Score	187
Exons	585..830, 674..817		

Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3
Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o2.ts	Method	TBLASTX:Soybean
Start	866	End	1199
GI	none	Score	200
Exons	866..1108, 969..1199		

Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3
Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o1.tm	Method	TBLASTX:Maize
Start	969	End	1379
GI	none	Score	396
Exons	969..1379, 986..1378		

Seq. No.	13838	Seq. ID	OJ991011_01.0202.C3

Gene No.	29521	Strand	+
Start	1	End	1380
Name	OJ991011_01.0202.C3.o2.tw	Method	TBLASTX:Wheat
Start	1047	End	1376
GI	none	Score	215
Exons	1047..1376, 1067..1267		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29522	Strand	+
Start	1	End	7111
Name	OJ991011_01.0202.C6.o1.np	Method	AAT/NAP
Start	1	End	7111
GI	4758106	Score	317
Exons	1..51, 305..455, 723..747, 836..874, 989..1106, 1662..1779, 1953..2200, 7057..7111		
GI Descrip.	Clk-associating RS-cyclophilin gi|1117968 (U40763) CARS-Cyp [Homo sapiens] gi|1770526|emb|CAA68053| (X99717) SRcyp protein [Homo sapiens]		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29522	Strand	+
Start	1	End	7111
Name	OJ991011_01.0202.C6.o2.np	Method	AAT/NAP
Start	362	End	6049
GI	4049344	Score	291
Exons	362..455, 811..894, 1604..1849, 1978..2678, 3727..3907, 4658..5022, 5952..6049		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29522	Strand	+
Start	1	End	7111
Name	OJ991011_01.0202.C6.o1.gs	Method	GENSCAN
Start	423	End	5045
GI	none	Score	.65
Exons	423..455, 1684..1816, 1897..2224, 2314..2426, 3090..3234, 3647..3955, 4036..4116, 4664..5045		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29522	Strand	+
Start	1	End	7111
Name	OJ991011_01.0202.C6.o1.gp	Method	AAT/GAP
Start	3927	End	4932
GI	287063	Score	667
Exons	3927..3955, 4036..4116, 4685..4932		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29523	Strand	-
Start	5892	End	9058
Name	OJ991011_01.0202.C6.o2.gs	Method	GENSCAN
Start	5892	End	7629
GI	none	Score	.95
Exons	5892..6047, 6235..6541, 7367..7629		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29523	Strand	-
Start	5892	End	9058

Name	OJ991011_01.0202.C6.o3.np	Method	AAT/NAP
Start	5895	End	9058
GI	1419090	Score	1238
Exons	5895..6047, 6235..6541, 7367..7776, 8991..9058		
GI Descrip.	(X94968) 37kDa chloroplast inner envelope membrane polypeptide precursor [Nicotiana tabacum]		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29524	Strand	-
Start	9488	End	11515
Name	OJ991011_01.0202.C6.o3.gs	Method	GENSCAN
Start	9488	End	11515
GI	none	Score	.77
Exons	9488..9549, 9722..9836, 9941..10010, 10248..10342, 11016..11243, 11372..11515		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29524	Strand	-
Start	9488	End	11515
Name	OJ991011_01.0202.C6.o4.np	Method	AAT/NAP
Start	9714	End	11479
GI	4309741	Score	430
Exons	9714..9836, 9941..10010, 10248..10342, 11016..11075, 11172..11243, 11372..11479		
GI Descrip.	(AC006439) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o2.ts	Method	TBLASTX:Soybean
Start	396	End	1782
GI	none	Score	67
Exons	396..455, 708..752, 834..869, 835..870, 982..1086, 987..1106, 988..1107, 1662..1781, 1663..1782		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o2.tc	Method	TBLASTX:Cress
Start	711	End	1782
GI	none	Score	51
Exons	711..749, 820..870, 987..1106, 988..1107, 1662..1739, 1663..1740, 1741..1782		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o2.tm	Method	TBLASTX:Maize
Start	835	End	5053
GI	none	Score	57
Exons	835..870, 843..875, 986..1105, 987..1097, 987..1106, 988..1107, 1662..1781, 1662..1784, 1663..1800, 1787..1834, 1788..1823, 1896..1997, 1969..2043, 2079..2225, 2080..2232, 2314..2412, 2361..2396, 2394..2435, 3035..3166, 3076..3183, 3085..3168, 3180..3260, 3182..3262, 3186..3269, 3645..3707, 3650..3724, 3701..3751, 3704..3754, 3730..3918, 3752..3964, 3758..3958, 3759..3959, 4033..4116, 4034..4117, 4035..4118, 4682..4708,		

4705..4755, 4708..4764, 4806..4886, 4813..4881, 4898..4948,
4903..4995, 4954..5019, 4954..5016, 4981..5049, 5018..5053

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o3.ts	Method	TBLASTX:Soybean
Start	3762	End	4096
GI	none	Score	176
Exons	3762..3944, 3795..3902, 3835..3942, 4055..4096		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o1.tm	Method	TBLASTX:Maize
Start	5628	End	7866
GI	none	Score	159
Exons	5628..5654, 5688..5714, 5788..5835, 5836..5862, 5889..6044, 5896..6048, 6217..6543, 6232..6543, 6239..6544, 6246..6566, 6263..6562, 7367..7528, 7369..7770, 7378..7728, 7637..7747, 7811..7861, 7813..7866		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o1.tc	Method	TBLASTX:Cress
Start	5782	End	7821
GI	none	Score	101
Exons	5782..5835, 5886..6011, 5896..6009, 6009..6044, 6013..6048, 6232..6291, 6239..6295, 6283..6333, 6293..6328, 6325..6543, 6326..6544, 6381..6569, 7367..7513, 7369..7821, 7372..7749, 7637..7756		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o1.ts	Method	TBLASTX:Soybean
Start	5782	End	7773
GI	none	Score	152
Exons	5782..5835, 5875..6051, 5892..6056, 5892..6044, 5897..6052, 6232..6543, 6233..6544, 7367..7528, 7369..7773, 7381..7764, 7637..7768		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o4.tm	Method	TBLASTX:Maize
Start	15019	End	15400
GI	none	Score	45
Exons	15019..15084, 15190..15396, 15191..15400, 15191..15394, 15226..15399		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o4.gs	Method	GENSCAN
Start	15190	End	16786

GI	none	Score	.82
Exons	15190..15957, 16466..16786		

Seq. No.	13839	Seq. ID	OJ991011_01.0202.C6
Gene No.	29525	Strand	-
Start	15190	End	16807
Name	OJ991011_01.0202.C6.o3.tm	Method	TBLASTX:Maize
Start	15592	End	16807
GI	none	Score	139
Exons	15592..15843, 15601..15837, 15832..15882, 15841..15882, 16500..16700, 16502..16708, 16502..16708, 16769..16807		

Seq. No.	13840	Seq. ID	OJ991011_01.0202.C7
Gene No.	29526	Strand	+
Start	1239	End	1530
Name	OJ991011_01.0202.C7.o1.gs	Method	GENSCAN
Start	1239	End	1530
GI	none	Score	.72
Exons	1239..1530		

Seq. No.	13840	Seq. ID	OJ991011_01.0202.C7
Gene No.	29527	Strand	-
Start	2396	End	2716
Name	OJ991011_01.0202.C7.o2.gs	Method	GENSCAN
Start	2396	End	2716
GI	none	Score	.4
Exons	2396..2404, 2615..2716		

Seq. No.	13841	Seq. ID	OJ991011_01.0202.C8
Gene No.	29528	Strand	+
Start	100	End	4625
Name	OJ991011_01.0202.C8.o1.gs	Method	GENSCAN
Start	100	End	4625
GI	none	Score	.72
Exons	100..168, 849..926, 2965..3060, 3375..3548, 3739..3789, 3907..4050, 4284..4625		

Seq. No.	13841	Seq. ID	OJ991011_01.0202.C8
Gene No.	29528	Strand	+
Start	100	End	4625
Name	OJ991011_01.0202.C8.o1.gp	Method	AAT/GAP
Start	1515	End	2573
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	1515..1547, 2505..2573		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13841	Seq. ID	OJ991011_01.0202.C8
Gene No.	29529	Strand	+
Start	21407	End	21775
Name	OJ991011_01.0202.C8.o4.gs	Method	GENSCAN
Start	21407	End	21775
GI	none	Score	.44
Exons	21407..21475, 21497..21775		

Seq. No.	13842	Seq. ID	OJ991011_01.0202.C9

Gene No.	29530	Strand	+
Start	253	End	2139
Name	OJ991011_01.0202.C9.o1.gs	Method	GENSCAN
Start	253	End	2139
GI	none	Score	.65
Exons	253..2139		

Seq. No.	13842	Seq. ID	OJ991011_01.0202.C9
Gene No.	29531	Strand	+
Start	3003	End	3533
Name	OJ991011_01.0202.C9.o2.gs	Method	GENSCAN
Start	3003	End	3533
GI	none	Score	1
Exons	3003..3533		

Seq. No.	13842	Seq. ID	OJ991011_01.0202.C9
Gene No.	29532	Strand	-
Start	8338	End	8958
Name	OJ991011_01.0202.C9.o1.tc	Method	TBLASTX:Cress
Start	256	End	581
GI	none	Score	114
Exons	256..456, 474..557, 490..579, 498..581, 499..579		

Seq. No.	13842	Seq. ID	OJ991011_01.0202.C9
Gene No.	29532	Strand	-
Start	8338	End	8958
Name	OJ991011_01.0202.C9.o1.ts	Method	TBLASTX:Soybean
Start	286	End	587
GI	none	Score	138
Exons	286..447, 501..587, 502..585		

Seq. No.	13842	Seq. ID	OJ991011_01.0202.C9
Gene No.	29532	Strand	-
Start	8338	End	8958
Name	OJ991011_01.0202.C9.o1.tm	Method	TBLASTX:Maize
Start	325	End	8958
GI	none	Score	95
Exons	325..447, 460..765, 501..581, 657..761, 8799..8957, 8803..8958, 8821..8958		

Seq. No.	13842	Seq. ID	OJ991011_01.0202.C9
Gene No.	29532	Strand	-
Start	8338	End	8958
Name	OJ991011_01.0202.C9.o2.np	Method	AAT/NAP
Start	8338	End	8570
GI	2832636	Score	130
Exons	8338..8570		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13843	Seq. ID	OJ991011_01.0202.C10
Gene No.	29533	Strand	+
Start	11336	End	12821
Name	OJ991011_01.0202.C10.o3.gs	Method	GENSCAN
Start	11336	End	12821
GI	none	Score	.77
Exons	11336..11564, 12781..12821		

Seq. No.	13843	Seq. ID	OJ991011_01.0202.C10
Gene No.	29533	Strand	+
Start	11336	End	12821
Name	OJ991011_01.0202.C10.o2.np	Method	AAT/NAP
Start	11381	End	12638
GI	6498424	Score	110
Exons	11381..11557, 12615..12638		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	13843	Seq. ID	OJ991011_01.0202.C10
Gene No.	29534	Strand	-
Start	1	End	256
Name	OJ991011_01.0202.C10.o1.np	Method	AAT/NAP
Start	1	End	256
GI	4680181	Score	92
Exons	1..256		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13843	Seq. ID	OJ991011_01.0202.C10
Gene No.	29535	Strand	-
Start	2561	End	8201
Name	OJ991011_01.0202.C10.o2.gs	Method	GENSCAN
Start	2561	End	8201
GI	none	Score	.56
Exons	2561..2681, 4250..4426, 4479..4549, 4591..4684, 5290..5404, 6703..6948, 7031..7293, 7574..7694, 7773..7907, 7976..8201		

Seq. No.	13844	Seq. ID	OJ991011_01.0202.C11
Gene No.	29536	Strand	+
Start	475	End	2546
Name	OJ991011_01.0202.C11.o1.gs	Method	GENSCAN
Start	475	End	2537
GI	none	Score	.55
Exons	475..2537		

Seq. No.	13844	Seq. ID	OJ991011_01.0202.C11
Gene No.	29536	Strand	+
Start	475	End	2546
Name	OJ991011_01.0202.C11.o2.tm	Method	TBLASTX:Maize
Start	853	End	1127
GI	none	Score	75
Exons	853..1104, 891..1127, 893..1126		

Seq. No.	13844	Seq. ID	OJ991011_01.0202.C11
Gene No.	29536	Strand	+
Start	475	End	2546
Name	OJ991011_01.0202.C11.o3.tm	Method	TBLASTX:Maize
Start	1485	End	1712
GI	none	Score	252
Exons	1485..1712, 1583..1711		

Seq. No.	13844	Seq. ID	OJ991011_01.0202.C11
Gene No.	29536	Strand	+
Start	475	End	2546
Name	OJ991011_01.0202.C11.o1.tm	Method	TBLASTX:Maize
Start	2169	End	2540
GI	none	Score	380

Exons	2169..2540, 2237..2533		
Seq. No.	13844	Seq. ID	OJ991011_01.0202.C11
Gene No.	29536	Strand	+
Start	475	End	2546
Name	OJ991011_01.0202.C11.o1.tw	Method	TBLASTX:Wheat
Start	2220	End	2546
GI	none	Score	250
Exons	2220..2546, 2324..2527, 2364..2540		
Seq. No.	13844	Seq. ID	OJ991011_01.0202.C11
Gene No.	29536	Strand	+
Start	475	End	2546
Name	OJ991011_01.0202.C11.o1.ts	Method	TBLASTX:Soybean
Start	2256	End	2543
GI	none	Score	190
Exons	2256..2543		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29537	Strand	+
Start	624	End	4706
Name	OJ991011_01.0202.C12.o1.gs	Method	GENSCAN
Start	624	End	3834
GI	none	Score	.79
Exons	624..680, 1192..1245, 1335..1397, 1635..1710, 2065..2243, 2794..2881, 2986..3071, 3775..3834		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29537	Strand	+
Start	624	End	4706
Name	OJ991011_01.0202.C12.o1.np	Method	AAT/NAP
Start	833	End	4706
GI	6630695	Score	607
Exons	833..924, 1008..1110, 1192..1250, 1340..1397, 1480..1529, 1635..1710, 2043..2243, 2794..2888, 2993..3071, 3153..3249, 3658..3713, 3801..3889, 4112..4155, 4598..4706		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29537	Strand	+
Start	624	End	4706
Name	OJ991011_01.0202.C12.o1.gp	Method	AAT/GAP
Start	874	End	2134
GI	uC-osflm202102f05b1	Score	796
Exons	874..924, 1008..1110, 1192..1245, 1335..1397, 1480..1529, 1635..1710, 2043..2134		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29538	Strand	+
Start	4843	End	5238
Name	OJ991011_01.0202.C12.o2.gp	Method	AAT/GAP
Start	4843	End	5238
GI	none	Score	776

Exons	4843..5238		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29539	Strand	-
Start	5551	End	11708
Name	OJ991011_01.0202.C12.o1.tm	Method	TBLASTX:Maize
Start	806	End	3890
GI	none	Score	133
Exons	806..907, 814..909, 1005..1109, 1009..1110, 1192..1251, 1338..1397, 1343..1396, 1358..1414, 1479..1529, 1480..1533, 1632..1712, 2166..2285, 2169..2243, 2793..2882, 2797..2889, 2985..3083, 3801..3890, 3812..3886		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29539	Strand	-
Start	5551	End	11708
Name	OJ991011_01.0202.C12.o1.ts	Method	TBLASTX:Soybean
Start	815	End	3083
GI	none	Score	127
Exons	815..916, 817..915, 1009..1110, 1017..1103, 1188..1250, 1192..1266, 1338..1397, 1480..1560, 2157..2246, 2157..2246, 2794..2883, 2985..3083		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29539	Strand	-
Start	5551	End	11708
Name	OJ991011_01.0202.C12.o2.gs	Method	GENSCAN
Start	5551	End	11636
GI	none	Score	.71
Exons	5551..5708, 6978..7038, 7205..7245, 7335..7467, 7664..7728, 8972..9128, 9997..10233, 10326..10415, 10983..11636		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29539	Strand	-
Start	5551	End	11708
Name	OJ991011_01.0202.C12.o2.np	Method	AAT/NAP
Start	8895	End	11708
GI	3341691	Score	293
Exons	8895..9142, 10635..10698, 10977..11227, 11684..11708		
GI Descrip.	(AC003672) putative heterogeneous nuclear ribonucleoprotein [Arabidopsis thaliana]		
Seq. No.	13845	Seq. ID	OJ991011_01.0202.C12
Gene No.	29539	Strand	-
Start	5551	End	11708
Name	OJ991011_01.0202.C12.o2.tm	Method	TBLASTX:Maize
Start	8907	End	11207
GI	none	Score	73
Exons	8907..9128, 10072..10221, 10317..10409, 10989..11171, 10996..11103, 11166..11207		
Seq. No.	13846	Seq. ID	OJ991011_01.0202.C13
Gene No.	29540	Strand	+
Start	353	End	454
Name	OJ991011_01.0202.C13.o1.gs	Method	GENSCAN
Start	353	End	454
GI	none	Score	.96

Exons	353..454		
Seq. No.	13847	Seq. ID	OJ991011_01.0202.C14
Gene No.	29541	Strand	+
Start	1478	End	2673
Name	OJ991011_01.0202.C14.o1.gp	Method	AAT/GAP
Start	1478	End	2621
GI	7606_1.R1084	Score	2127
Exons	1478..2621		
GI Descrip.	'4887131/gb|AAD32206.1|AF134732_1 1.0e-141 (AF134732) 60S ribosomal protein L1 [Prunus armeniaca]'		
Seq. No.	13847	Seq. ID	OJ991011_01.0202.C14
Gene No.	29541	Strand	+
Start	1478	End	2673
Name	OJ991011_01.0202.C14.o1.np	Method	AAT/NAP
Start	1515	End	2673
GI	6682241	Score	1447
Exons	1515..2673		
GI Descrip.	(AC016661) putative 60S ribosomal protein L1 [Arabidopsis thaliana]		
Seq. No.	13847	Seq. ID	OJ991011_01.0202.C14
Gene No.	29541	Strand	+
Start	1478	End	2673
Name	OJ991011_01.0202.C14.o1.gs	Method	GENSCAN
Start	1518	End	2627
GI	none	Score	.81
Exons	1518..2627		
Seq. No.	13847	Seq. ID	OJ991011_01.0202.C14
Gene No.	29541	Strand	+
Start	1478	End	2673
Name	OJ991011_01.0202.C14.o1.tm	Method	TBLASTX:Maize
Start	1529	End	2623
GI	none	Score	75
Exons	1529..1576, 1530..1580, 1581..2612, 1607..2089, 2156..2209, 2169..2405, 2276..2569, 2504..2623		
Seq. No.	13847	Seq. ID	OJ991011_01.0202.C14
Gene No.	29541	Strand	+
Start	1478	End	2673
Name	OJ991011_01.0202.C14.o1.ts	Method	TBLASTX:Soybean
Start	1532	End	2608
GI	none	Score	1300
Exons	1532..1864, 1533..2606, 1928..2083, 2156..2209, 2172..2405, 2279..2431, 2392..2433, 2507..2608, 2507..2569		
Seq. No.	13847	Seq. ID	OJ991011_01.0202.C14
Gene No.	29541	Strand	+
Start	1478	End	2673
Name	OJ991011_01.0202.C14.o2.tc	Method	TBLASTX:Cress
Start	1532	End	1976
GI	none	Score	546
Exons	1532..1975, 1533..1976		
Seq. No.	13847	Seq. ID	OJ991011_01.0202.C14

Gene No.	29541	Strand	+
Start	1478	End	2673
Name	OJ991011_01.0202.C14.o1.tc	Method	TBLASTX:Cress
Start	1977	End	2606
GI	none	Score	700
Exons	1977..2606, 1979..2080, 2156..2209, 2172..2405, 2279..2428		

Seq. No.	13847	Seq. ID	OJ991011_01.0202.C14
Gene No.	29541	Strand	+
Start	1478	End	2673
Name	OJ991011_01.0202.C14.o1.tw	Method	TBLASTX:Wheat
Start	2294	End	2571
GI	none	Score	82
Exons	2294..2353, 2298..2366, 2340..2405, 2349..2555, 2354..2431, 2495..2566, 2498..2569, 2506..2571		

Seq. No.	13848	Seq. ID	OJ991011_01.0202.C15
Gene No.	29542	Strand	+
Start	496	End	606
Name	OJ991011_01.0202.C15.o1.np	Method	AAT/NAP
Start	496	End	606
GI	4887131	Score	139
Exons	496..606		
GI Descrip.	(AF134732) 60S ribosomal protein L1 [Prunus armeniaca]		

Seq. No.	13848	Seq. ID	OJ991011_01.0202.C15
Gene No.	29543	Strand	-
Start	495	End	1026
Name	OJ991011_01.0202.C15.o1.gp	Method	AAT/GAP
Start	495	End	1026
GI	7606_1.R1084	Score	1037
Exons	495..1026		
GI Descrip.	'4887131/gb|AAD32206.1|AF134732_1 1.0e-141 (AF134732) 60S ribosomal protein L1 [Prunus armeniaca]'		

Seq. No.	13849	Seq. ID	OJ991011_01.0202.C16
Gene No.	29544	Strand	+
Start	1	End	2647
Name	OJ991011_01.0202.C16.o1.np	Method	AAT/NAP
Start	1	End	2647
GI	169705	Score	804
Exons	1..176, 1369..1459, 1542..1735, 2025..2146, 2628..2647		
GI Descrip.	(M64737) ATP:pyruvate phosphotransferase [Ricinus communis]		

Seq. No.	13849	Seq. ID	OJ991011_01.0202.C16
Gene No.	29544	Strand	+
Start	1	End	2647
Name	OJ991011_01.0202.C16.o1.tc	Method	TBLASTX:Cress
Start	2	End	1452
GI	none	Score	243
Exons	2..130, 3..149, 66..149, 1372..1404, 1393..1452		

Seq. No.	13849	Seq. ID	OJ991011_01.0202.C16
Gene No.	29544	Strand	+
Start	1	End	2647
Name	OJ991011_01.0202.C16.o2.tm	Method	TBLASTX:Maize
Start	2	End	147

GI	none	Score	241
Exons	2..139, 3..146, 69..146, 109..147		

Seq. No.	13849	Seq. ID	OJ991011_01.0202.C16
Gene No.	29544	Strand	+
Start	1	End	2647
Name	OJ991011_01.0202.C16.o1.ts	Method	TBLASTX:Soybean
Start	3	End	146
GI	none	Score	196
Exons	3..146, 5..127		

Seq. No.	13849	Seq. ID	OJ991011_01.0202.C16
Gene No.	29544	Strand	+
Start	1	End	2647
Name	OJ991011_01.0202.C16.o1.gs	Method	GENSCAN
Start	21	End	2146
GI	none	Score	.83
Exons	21..282, 464..576, 1369..1459, 1542..1735, 2025..2146		

Seq. No.	13849	Seq. ID	OJ991011_01.0202.C16
Gene No.	29544	Strand	+
Start	1	End	2647
Name	OJ991011_01.0202.C16.o1.tm	Method	TBLASTX:Maize
Start	1353	End	2146
GI	none	Score	143
Exons	1353..1457, 1363..1458, 1367..1465, 1541..1735, 1541..1735, 1579..1746, 2022..2144, 2022..2144, 2024..2146, 2024..2146		

Seq. No.	13849	Seq. ID	OJ991011_01.0202.C16
Gene No.	29544	Strand	+
Start	1	End	2647
Name	OJ991011_01.0202.C16.o1.gp	Method	AAT/GAP
Start	1368	End	1735
GI	66420_1.R1084	Score	507
Exons	1368..1459, 1542..1735		
GI Descrip.	'2497539/sp|Q43117|KPYA_RICCO 3.0e-52 PYRUVATE KINASE, CHLOROPLAST ISOZYME A PRECURSOR >gi_169703 (M64736) ATP:pyruvate phosphotransferase [Ricinus communis]'		

Seq. No.	13849	Seq. ID	OJ991011_01.0202.C16
Gene No.	29544	Strand	+
Start	1	End	2647
Name	OJ991011_01.0202.C16.o2.ts	Method	TBLASTX:Soybean
Start	1700	End	2146
GI	none	Score	58
Exons	1700..1735, 2007..2141, 2022..2141, 2024..2146		

Seq. No.	13850	Seq. ID	OJ991011_01.0202.C17
Gene No.	29545	Strand	+
Start	1	End	1077
Name	OJ991011_01.0202.C17.o1.np	Method	AAT/NAP
Start	1	End	1074
GI	169705	Score	1105
Exons	1..599, 776..1074		
GI Descrip.	(M64737) ATP:pyruvate phosphotransferase [Ricinus communis]		

Seq. No.	13850	Seq. ID	OJ991011_01.0202.C17

Gene No.	29545	Strand	+
Start	1	End	1077
Name	OJ991011_01.0202.C17.o1.gs	Method	GENSCAN
Start	121	End	1077
GI	none	Score	.87
Exons	121..599, 776..1077		

Seq. No.	13850	Seq. ID	OJ991011_01.0202.C17
Gene No.	29545	Strand	+
Start	1	End	1077
Name	OJ991011_01.0202.C17.o1.gp	Method	AAT/GAP
Start	145	End	827
GI	21356_1.R1084	Score	954
Exons	145..599, 776..827		
GI Descrip.	'2497541/sp|Q40545|KPYA_TOBAC 8.0e-45 PYRUVATE KINASE ISOZYME A, CHLOROPLAST PRECURSOR >gi_482936_emb_CAA82222_ (Z28373) pyruvate kinase; plastid isozyme [Nicotiana tabacum]'		

Seq. No.	13850	Seq. ID	OJ991011_01.0202.C17
Gene No.	29546	Strand	-
Start	2519	End	2721
Name	OJ991011_01.0202.C17.o1.ts	Method	TBLASTX:Soybean
Start	109	End	1080
GI	none	Score	535
Exons	109..453, 119..478, 538..603, 539..616, 774..1079, 775..1080		

Seq. No.	13850	Seq. ID	OJ991011_01.0202.C17
Gene No.	29546	Strand	-
Start	2519	End	2721
Name	OJ991011_01.0202.C17.o1.tm	Method	TBLASTX:Maize
Start	118	End	599
GI	none	Score	561
Exons	118..453, 119..478, 278..466, 504..599		

Seq. No.	13850	Seq. ID	OJ991011_01.0202.C17
Gene No.	29546	Strand	-
Start	2519	End	2721
Name	OJ991011_01.0202.C17.o1.tc	Method	TBLASTX:Cress
Start	121	End	1083
GI	none	Score	502
Exons	121..453, 122..478, 539..607, 544..603, 757..1074, 774..1082, 775..1083		

Seq. No.	13850	Seq. ID	OJ991011_01.0202.C17
Gene No.	29546	Strand	-
Start	2519	End	2721
Name	OJ991011_01.0202.C17.o1.tw	Method	TBLASTX:Wheat
Start	191	End	466
GI	none	Score	239
Exons	191..466, 193..453		

Seq. No.	13850	Seq. ID	OJ991011_01.0202.C17
Gene No.	29546	Strand	-
Start	2519	End	2721
Name	OJ991011_01.0202.C17.o2.tm	Method	TBLASTX:Maize
Start	774	End	1098
GI	none	Score	485

Exons 774..1076, 775..1098, 977..1087

Seq. No. 13850 Seq. ID OJ991011_01.0202.C17
Gene No. 29546 Strand -
Start 2519 End 2721
Name OJ991011_01.0202.C17.o2.gs Method GENSCAN
Start 2519 End 2721
GI none Score .48
Exons 2519..2721

Seq. No. 13851 Seq. ID OJ991011_01.0202.C18
Gene No. 29547 Strand +
Start 10992 End 13473
Name OJ991011_01.0202.C18.o3.gs Method GENSCAN
Start 10992 End 12132
GI none Score .4
Exons 10992..11150, 11588..12121, 12127..12132

Seq. No. 13851 Seq. ID OJ991011_01.0202.C18
Gene No. 29547 Strand +
Start 10992 End 13473
Name OJ991011_01.0202.C18.o1.np Method AAT/NAP
Start 11729 End 13473
GI 4455356 Score 1053
Exons 11729..12005, 12042..12121, 12221..12799, 12842..13261, 13437..13473
GI Descrip. (AL035524) putative protein [Arabidopsis thaliana]

Seq. No. 13851 Seq. ID OJ991011_01.0202.C18
Gene No. 29548 Strand -
Start 7318 End 9491
Name OJ991011_01.0202.C18.o2.gs Method GENSCAN
Start 7318 End 9491
GI none Score .43
Exons 7318..7490, 9410..9491

Seq. No. 13851 Seq. ID OJ991011_01.0202.C18
Gene No. 29549 Strand -
Start 11250 End 11329
Name OJ991011_01.0202.C18.o1.gp Method AAT/GAP
Start 11250 End 11329
GI 38012_1.R1084 Score 93
Exons 11250..11329
GI Descrip. '4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No. 13851 Seq. ID OJ991011_01.0202.C18
Gene No. 29550 Strand -
Start 12206 End 13428
Name OJ991011_01.0202.C18.o2.tm Method TBLASTX:Maize
Start 11936 End 12442
GI none Score 62
Exons 11936..11980, 12047..12127, 12051..12107, 12059..12118, 12233..12316, 12248..12361, 12250..12360, 12337..12423, 12347..12442

Seq. No. 13851 Seq. ID OJ991011_01.0202.C18

Gene No.	29550	Strand	-
Start	12206	End	13428
Name	OJ991011_01.0202.C18.o4.gs	Method	GENSCAN
Start	12206	End	13428
GI	none	Score	.99
Exons	12206..13428		

Seq. No.	13851	Seq. ID	OJ991011_01.0202.C18
Gene No.	29550	Strand	-
Start	12206	End	13428
Name	OJ991011_01.0202.C18.o2.ts	Method	TBLASTX:Soybean
Start	12353	End	12571
GI	none	Score	222
Exons	12353..12571, 12478..12570		

Seq. No.	13851	Seq. ID	OJ991011_01.0202.C18
Gene No.	29550	Strand	-
Start	12206	End	13428
Name	OJ991011_01.0202.C18.o1.tm	Method	TBLASTX:Maize
Start	12529	End	12898
GI	none	Score	45
Exons	12529..12570, 12530..12571, 12601..12864, 12602..12865, 12841..12894, 12845..12898		

Seq. No.	13851	Seq. ID	OJ991011_01.0202.C18
Gene No.	29550	Strand	-
Start	12206	End	13428
Name	OJ991011_01.0202.C18.o1.tc	Method	TBLASTX:Cress
Start	12632	End	13012
GI	none	Score	527
Exons	12632..13012, 12634..12918		

Seq. No.	13851	Seq. ID	OJ991011_01.0202.C18
Gene No.	29550	Strand	-
Start	12206	End	13428
Name	OJ991011_01.0202.C18.o1.ts	Method	TBLASTX:Soybean
Start	12751	End	13006
GI	none	Score	343
Exons	12751..12918, 12752..13006, 12956..12994		

Seq. No.	13851	Seq. ID	OJ991011_01.0202.C18
Gene No.	29550	Strand	-
Start	12206	End	13428
Name	OJ991011_01.0202.C18.o1.tw	Method	TBLASTX:Wheat
Start	12784	End	13123
GI	none	Score	300
Exons	12784..12918, 12785..13012, 13016..13072, 13018..13056, 13058..13123		

Seq. No.	13851	Seq. ID	OJ991011_01.0202.C18
Gene No.	29550	Strand	-
Start	12206	End	13428
Name	OJ991011_01.0202.C18.o3.tm	Method	TBLASTX:Maize
Start	12899	End	13261
GI	none	Score	133
Exons	12899..13012, 13003..13074, 13016..13117, 13189..13260, 13196..13261		

Seq. No.	13852	Seq. ID	OJ991011_01.0202.C19
Gene No.	29551	Strand	+
Start	962	End	2445
Name	OJ991011_01.0202.C19.o1.gs	Method	GENSCAN
Start	962	End	2445
GI	none	Score	.74
Exons	962..1229, 1401..1686, 2316..2445		

Seq. No.	13852	Seq. ID	OJ991011_01.0202.C19
Gene No.	29551	Strand	+
Start	962	End	2445
Name	OJ991011_01.0202.C19.o1.gp	Method	AAT/GAP
Start	1075	End	1606
GI	2428647	Score	678
Exons	1075..1229, 1401..1606		

Seq. No.	13852	Seq. ID	OJ991011_01.0202.C19
Gene No.	29551	Strand	+
Start	962	End	2445
Name	OJ991011_01.0202.C19.o2.gp	Method	AAT/GAP
Start	1705	End	2087
GI	5056001	Score	714
Exons	1705..2087		

Seq. No.	13853	Seq. ID	OJ991011_01.0202.C20
Gene No.	29552	Strand	+
Start	2719	End	6586
Name	OJ991011_01.0202.C20.o1.np	Method	AAT/NAP
Start	2719	End	2979
GI	6907106	Score	256
Exons	2719..2979		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13853	Seq. ID	OJ991011_01.0202.C20
Gene No.	29552	Strand	+
Start	2719	End	6586
Name	OJ991011_01.0202.C20.o1.gs	Method	GENSCAN
Start	2727	End	6586
GI	none	Score	.43
Exons	2727..2967, 3830..3967, 4433..4557, 5749..5836, 6546..6586		

Seq. No.	13853	Seq. ID	OJ991011_01.0202.C20
Gene No.	29552	Strand	+
Start	2719	End	6586
Name	OJ991011_01.0202.C20.o1.gp	Method	AAT/GAP
Start	4333	End	4620
GI	427610	Score	409
Exons	4333..4545, 4570..4620		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	13853	Seq. ID	OJ991011_01.0202.C20
Gene No.	29553	Strand	-
Start	4442	End	11174
Name	OJ991011_01.0202.C20.o2.np	Method	AAT/NAP

Start	4442	End	11174
GI	5852172	Score	154
Exons	4442..4602, 11135..11174		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	13853	Seq. ID	OJ991011_01.0202.C20
Gene No.	29553	Strand	-
Start	4442	End	11174
Name	OJ991011_01.0202.C20.o2.gs	Method	GENSCAN
Start	6869	End	10636
GI	none	Score	.71
Exons	6869..6999, 9917..10027, 10157..10281, 10283..10636		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21
Gene No.	29554	Strand	+
Start	1	End	1560
Name	OJ991011_01.0202.C21.o1.np	Method	AAT/NAP
Start	1	End	1072
GI	4585901	Score	440
Exons	1..271, 394..618, 705..1072		
GI Descrip.	(AC007133) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21
Gene No.	29554	Strand	+
Start	1	End	1560
Name	OJ991011_01.0202.C21.o1.gs	Method	GENSCAN
Start	124	End	1297
GI	none	Score	.96
Exons	124..348, 426..618, 705..1297		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21
Gene No.	29554	Strand	+
Start	1	End	1560
Name	OJ991011_01.0202.C21.o1.gp	Method	AAT/GAP
Start	317	End	621
GI	uC-osflM202062a11b1	Score	386
Exons	317..348, 426..621		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21
Gene No.	29554	Strand	+
Start	1	End	1560
Name	OJ991011_01.0202.C21.o2.gp	Method	AAT/GAP
Start	1029	End	1560
GI	none	Score	980
Exons	1029..1560		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21
Gene No.	29555	Strand	-
Start	3076	End	4588
Name	OJ991011_01.0202.C21.o1.tw	Method	TBLASTX:Wheat
Start	419	End	811
GI	none	Score	189
Exons	419..619, 420..623, 701..811, 764..811		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21

Gene No.	29555	Strand	-
Start	3076	End	4588
Name	OJ991011_01.0202.C21.o1.tc	Method	TBLASTX:Cress
Start	423	End	973
GI	none	Score	62
Exons	423..515, 501..623, 728..832, 892..972, 899..973		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21
Gene No.	29555	Strand	-
Start	3076	End	4588
Name	OJ991011_01.0202.C21.o1.tm	Method	TBLASTX:Maize
Start	423	End	862
GI	none	Score	143
Exons	423..620, 701..739, 734..862, 764..847, 787..858		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21
Gene No.	29555	Strand	-
Start	3076	End	4588
Name	OJ991011_01.0202.C21.o1.ts	Method	TBLASTX:Soybean
Start	441	End	984
GI	none	Score	110
Exons	441..620, 728..976, 764..979, 787..984		

Seq. No.	13854	Seq. ID	OJ991011_01.0202.C21
Gene No.	29555	Strand	-
Start	3076	End	4588
Name	OJ991011_01.0202.C21.o2.gs	Method	GENSCAN
Start	3076	End	4588
GI	none	Score	.51
Exons	3076..3275, 3553..3630, 4531..4588		

Seq. No.	13855	Seq. ID	OJ991011_01.0202.C22
Gene No.	29556	Strand	+
Start	70	End	3343
Name	OJ991011_01.0202.C22.o1.gp	Method	AAT/GAP
Start	70	End	1517
GI	none	Score	976
Exons	70..510, 1438..1517		

Seq. No.	13855	Seq. ID	OJ991011_01.0202.C22
Gene No.	29556	Strand	+
Start	70	End	3343
Name	OJ991011_01.0202.C22.o1.gs	Method	GENSCAN
Start	407	End	3343
GI	none	Score	.78
Exons	407..510, 610..698, 1957..2074, 2167..2224, 2304..2368, 2554..2614, 2951..3052, 3278..3343		

Seq. No.	13855	Seq. ID	OJ991011_01.0202.C22
Gene No.	29556	Strand	+
Start	70	End	3343
Name	OJ991011_01.0202.C22.o2.np	Method	AAT/NAP
Start	514	End	2431
GI	6598487	Score	431
Exons	514..552, 1430..1540, 1670..1739, 1825..1863, 1957..2074, 2167..2431		
GI Descrip.	(AC005770) putative guanylate binding protein [Arabidopsis		

thaliana]

Seq. No.	13855	Seq. ID	OJ991011_01.0202.C22
Gene No.	29556	Strand	+
Start	70	End	3343
Name	OJ991011_01.0202.C22.o2.gp	Method	AAT/GAP
Start	1921	End	2290
GI	42393_1.R1084	Score	276
Exons	1921..2074, 2167..2223, 2266..2290		
GI Descrip.	'4585903/gb|AAD25565.1|AC007133_7 9.0e-21 (AC007133) putative guanylate binding protein [Arabidopsis thaliana]'		

Seq. No.	13855	Seq. ID	OJ991011_01.0202.C22
Gene No.	29557	Strand	-
Start	1	End	473
Name	OJ991011_01.0202.C22.o1.np	Method	AAT/NAP
Start	1	End	473
GI	6683126	Score	50
Exons	1..54, 242..473		
GI Descrip.	(AB002337) KIAA0339 protein [Homo sapiens]		

Seq. No.	13855	Seq. ID	OJ991011_01.0202.C22
Gene No.	29558	Strand	
Start	1845	End	2368
Name	OJ991011_01.0202.C22.o1.tm	Method	TBLASTX:Maize
Start	1845	End	2368
GI	none	Score	39
Exons	1845..1868, 1953..1994, 1992..2075, 2005..2079, 2006..2074, 2024..2083, 2025..2084, 2053..2085, 2164..2226, 2165..2227, 2165..2230, 2304..2366, 2306..2368		

Seq. No.	13856	Seq. ID	OJ991011_01.0202.C25
Gene No.	29559	Strand	+
Start	13	End	82
Name	OJ991011_01.0202.C25.o1.gs	Method	GENSCAN
Start	13	End	82
GI	none	Score	.93
Exons	13..82		

Seq. No.	13857	Seq. ID	OJ991011_01.0202.C26
Gene No.	29560	Strand	-
Start	369	End	840
Name	OJ991011_01.0202.C26.o1.tm	Method	TBLASTX:Maize
Start	340	End	840
GI	none	Score	169
Exons	340..573, 354..575, 355..576, 664..840, 671..760, 679..840		

Seq. No.	13857	Seq. ID	OJ991011_01.0202.C26
Gene No.	29560	Strand	-
Start	369	End	840
Name	OJ991011_01.0202.C26.o1.tw	Method	TBLASTX:Wheat
Start	340	End	550
GI	none	Score	53
Exons	340..549, 341..379, 440..550		

Seq. No.	13857	Seq. ID	OJ991011_01.0202.C26
Gene No.	29560	Strand	-

Start	369	End	840
Name	OJ991011_01.0202.C26.o1.ts	Method	TBLASTX:Soybean
Start	349	End	711
GI	none	Score	42
Exons	349..573, 369..407, 444..575, 449..574, 466..576, 664..711, 671..709		

Seq. No.	13857	Seq. ID	OJ991011_01.0202.C26
Gene No.	29560	Strand	-
Start	369	End	840
Name	OJ991011_01.0202.C26.o1.gs	Method	GENSCAN
Start	369	End	807
GI	none	Score	.99
Exons	369..573, 670..807		

Seq. No.	13857	Seq. ID	OJ991011_01.0202.C26
Gene No.	29560	Strand	-
Start	369	End	840
Name	OJ991011_01.0202.C26.o1.tc	Method	TBLASTX:Cress
Start	448	End	840
GI	none	Score	137
Exons	448..573, 449..574, 450..575, 451..576, 664..729, 694..840		

Seq. No.	13858	Seq. ID	OJ991001_02.0202.C1
Gene No.	29561	Strand	+
Start	1	End	552
Name	OJ991001_02.0202.C1.o1.np	Method	AAT/NAP
Start	1	End	552
GI	2352927	Score	325
Exons	1..97, 385..552		
GI Descrip.	(AF012865) plastidic 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase 1 [Petroselinum crispum]		

Seq. No.	13858	Seq. ID	OJ991001_02.0202.C1
Gene No.	29561	Strand	+
Start	1	End	552
Name	OJ991001_02.0202.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	552
GI	none	Score	121
Exons	1..69, 2..106, 3..98, 382..552, 383..550		

Seq. No.	13858	Seq. ID	OJ991001_02.0202.C1
Gene No.	29561	Strand	+
Start	1	End	552
Name	OJ991001_02.0202.C1.o1.ts	Method	TBLASTX:Soybean
Start	2	End	552
GI	none	Score	122
Exons	2..109, 3..98, 382..549, 383..550, 424..552		

Seq. No.	13858	Seq. ID	OJ991001_02.0202.C1
Gene No.	29561	Strand	+
Start	1	End	552
Name	OJ991001_02.0202.C1.o1.tm	Method	TBLASTX:Maize
Start	382	End	550
GI	none	Score	224
Exons	382..549, 383..550		

Seq. No.	13859	Seq. ID	OJ991001_02.0202.C2
Gene No.	29562	Strand	+
Start	2622	End	3143
Name	OJ991001_02.0202.C2.o1.np	Method	AAT/NAP
Start	2622	End	3143
GI	6907086	Score	311
Exons	2622..3143		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13859	Seq. ID	OJ991001_02.0202.C2
Gene No.	29563	Strand	-
Start	1014	End	2726
Name	OJ991001_02.0202.C2.o1.gp	Method	AAT/GAP
Start	905	End	1330
GI	4878407	Score	671
Exons	905..1330		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	13859	Seq. ID	OJ991001_02.0202.C2
Gene No.	29563	Strand	-
Start	1014	End	2726
Name	OJ991001_02.0202.C2.o1.gs	Method	GENSCAN
Start	1014	End	2726
GI	none	Score	.93
Exons	1014..1148, 1816..1970, 2699..2726		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29564	Strand	+
Start	57	End	3669
Name	OJ991001_02.0202.C3.o1.gs	Method	GENSCAN
Start	57	End	3669
GI	none	Score	.81
Exons	57..156, 479..697, 2756..2797, 3446..3669		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29565	Strand	+
Start	8705	End	10574
Name	OJ991001_02.0202.C3.o3.gs	Method	GENSCAN
Start	8705	End	10574
GI	none	Score	.66
Exons	8705..8752, 9287..9418, 10323..10574		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29566	Strand	+
Start	10658	End	11237
Name	OJ991001_02.0202.C3.o4.gs	Method	GENSCAN
Start	10658	End	11237
GI	none	Score	.91
Exons	10658..10922, 11026..11237		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29567	Strand	+
Start	11397	End	11807
Name	OJ991001_02.0202.C3.o1.gp	Method	AAT/GAP
Start	11324	End	11685
GI	62886_1.R1084	Score	677

Exons	11324..11685		
GI Descrip.	'1084462/pir||S53011 6.0e-14 RCg2 protein - rice >gi_786130 (L27209) RCc2 [Oryza sativa] >gi_786134 (L27210) root-specific protein [Oryza sativa]'		
Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29567	Strand	+
Start	11397	End	11807
Name	OJ991001_02.0202.C3.o5.gs	Method	GENSCAN
Start	11397	End	11807
GI	none	Score	1
Exons	11397..11807		
Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29568	Strand	+
Start	15527	End	15922
Name	OJ991001_02.0202.C3.o6.gs	Method	GENSCAN
Start	15527	End	15922
GI	none	Score	1
Exons	15527..15922		
Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29569	Strand	+
Start	18820	End	19215
Name	OJ991001_02.0202.C3.o7.gs	Method	GENSCAN
Start	18820	End	19215
GI	none	Score	1
Exons	18820..19215		
Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29570	Strand	+
Start	23538	End	23966
Name	OJ991001_02.0202.C3.o2.np	Method	AAT/NAP
Start	23538	End	23963
GI	1084462	Score	536
Exons	23538..23963		
GI Descrip.	RCg2 protein - rice gi|786130 (L27209) RCc2 [Oryza sativa] gi|786134 (L27210) root-specific protein [Oryza sativa]		
Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29570	Strand	+
Start	23538	End	23966
Name	OJ991001_02.0202.C3.o9.gs	Method	GENSCAN
Start	23538	End	23966
GI	none	Score	1
Exons	23538..23966		
Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29571	Strand	+
Start	27893	End	28190
Name	OJ991001_02.0202.C3.o4.gp	Method	AAT/GAP
Start	27802	End	28190
GI	586_1.R1084	Score	750
Exons	27802..28190		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29571	Strand	+
Start	27893	End	28190
Name	OJ991001_02.0202.C3.o10.gs	Method	GENSCAN
Start	27893	End	28144
GI	none	Score	.52
Exons	27893..28144		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29571	Strand	+
Start	27893	End	28190
Name	OJ991001_02.0202.C3.o3.np	Method	AAT/NAP
Start	27893	End	28190
GI	1084460	Score	535
Exons	27893..28190		
GI Descrip.	RCc2 protein - rice		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29572	Strand	-
Start	4389	End	7573
Name	OJ991001_02.0202.C3.o2.gs	Method	GENSCAN
Start	4389	End	7573
GI	none	Score	.81
Exons	4389..4856, 5721..6089, 6207..6350, 6447..6537, 6625..6729, 6844..6965, 7095..7216, 7429..7573		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29573	Strand	-
Start	20993	End	28177
Name	OJ991001_02.0202.C3.o2.ts	Method	TBLASTX:Soybean
Start	5438	End	5769
GI	none	Score	107
Exons	5438..5608, 5439..5603, 5721..5753, 5725..5769		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29573	Strand	-
Start	20993	End	28177
Name	OJ991001_02.0202.C3.o1.tm	Method	TBLASTX:Maize
Start	11462	End	28129
GI	none	Score	51
Exons	11462..11482, 11463..11483, 11538..11603, 11549..11602, 11640..11804, 11693..11830, 15544..15717, 15593..15619, 15665..15718, 15680..15718, 15746..15781, 15758..15919, 15760..15918, 15836..15919, 18867..18944, 18868..18966, 18918..19010, 18919..19011, 19039..19212, 19051..19212, 23711..23758, 23712..23759, 23795..23884, 23796..23885, 23886..23963, 27955..27981, 27956..27982, 28081..28128, 28082..28129		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29573	Strand	-
Start	20993	End	28177
Name	OJ991001_02.0202.C3.o1.ts	Method	TBLASTX:Soybean
Start	11553	End	23963
GI	none	Score	230
Exons	11553..11804, 15667..15912, 15668..15937, 18862..19230, 18960..19229, 23712..23885, 23804..23887, 23886..23963		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29573	Strand	-
Start	20993	End	28177
Name	OJ991001_02.0202.C3.o1.tw	Method	TBLASTX:Wheat
Start	11553	End	28132
GI	none	Score	67
Exons	11553..11606, 11646..11729, 11727..11807, 11729..11815, 15668..15721, 15760..15843, 15761..15844, 15842..15922, 15842..15925, 15844..15936, 18928..19014, 19053..19136, 19054..19137, 19135..19215, 19135..19218, 19137..19250, 23712..23762, 23717..23947, 23802..23966, 23883..23957, 28082..28132		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29573	Strand	-
Start	20993	End	28177
Name	OJ991001_02.0202.C3.o1.tc	Method	TBLASTX:Cress
Start	11556	End	28177
GI	none	Score	92
Exons	11556..11651, 11640..11807, 11687..11797, 15674..15775, 15676..15759, 15760..15912, 15761..15922, 18928..19068, 18969..19052, 19053..19205, 19054..19215, 23712..23807, 23717..23800, 23796..23885, 23819..23887, 23886..23966, 28082..28177		

Seq. No.	13860	Seq. ID	OJ991001_02.0202.C3
Gene No.	29573	Strand	-
Start	20993	End	28177
Name	OJ991001_02.0202.C3.o8.gs	Method	GENSCAN
Start	20993	End	21475
GI	none	Score	.57
Exons	20993..21358, 21398..21475		

Seq. No.	13861	Seq. ID	OJ991001_02.0202.C4
Gene No.	29574	Strand	+
Start	1	End	748
Name	OJ991001_02.0202.C4.o1.gp	Method	AAT/GAP
Start	1	End	204
GI	586_1.R1084	Score	342
Exons	1..204		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	13861	Seq. ID	OJ991001_02.0202.C4
Gene No.	29574	Strand	+
Start	1	End	748
Name	OJ991001_02.0202.C4.o1.gs	Method	GENSCAN
Start	98	End	748
GI	none	Score	.78
Exons	98..107, 597..748		

Seq. No.	13862	Seq. ID	OJ991001_02.0202.C5
Gene No.	29575	Strand	+
Start	1	End	677
Name	OJ991001_02.0202.C5.o1.np	Method	AAT/NAP
Start	1	End	668

GI	4725946	Score	202
Exons	1..32, 325..428, 465..668		
GI Descrip.	(AL049730) pEARLI 1-like protein [Arabidopsis thaliana]		

Seq. No.	13862	Seq. ID	OJ991001_02.0202.C5
Gene No.	29575	Strand	+
Start	1	End	677
Name	OJ991001_02.0202.C5.o1.gs	Method	GENSCAN
Start	189	End	677
GI	none	Score	1
Exons	189..677		

Seq. No.	13862	Seq. ID	OJ991001_02.0202.C5
Gene No.	29576	Strand	-
Start	774	End	4341
Name	OJ991001_02.0202.C5.o2.gs	Method	GENSCAN
Start	774	End	4254
GI	none	Score	.51
Exons	774..914, 2001..2096, 3718..3813, 3900..3986, 4117..4254		

Seq. No.	13862	Seq. ID	OJ991001_02.0202.C5
Gene No.	29576	Strand	-
Start	774	End	4341
Name	OJ991001_02.0202.C5.o1.gp	Method	AAT/GAP
Start	1410	End	4341
GI	none	Score	1218
Exons	1410..1688, 3718..3813, 3900..3986, 4117..4341		

Seq. No.	13862	Seq. ID	OJ991001_02.0202.C5
Gene No.	29576	Strand	-
Start	774	End	4341
Name	OJ991001_02.0202.C5.o1.tm	Method	TBLASTX:Maize
Start	1628	End	4266
GI	none	Score	72
Exons	1628..1687, 1629..1688, 1630..1689, 3703..3819, 3722..3775, 3728..3832, 3729..3827, 3900..3977, 3900..3986, 3901..3984, 4117..4206, 4120..4161, 4156..4254, 4195..4266		

Seq. No.	13862	Seq. ID	OJ991001_02.0202.C5
Gene No.	29576	Strand	-
Start	774	End	4341
Name	OJ991001_02.0202.C5.o1.tw	Method	TBLASTX:Wheat
Start	3790	End	4272
GI	none	Score	136
Exons	3790..3819, 3900..3986, 3901..3984, 4117..4272, 4120..4269		

Seq. No.	13863	Seq. ID	OJ991001_02.0202.C6
Gene No.	29577	Strand	+
Start	1686	End	3975
Name	OJ991001_02.0202.C6.o1.np	Method	AAT/NAP
Start	1686	End	3975
GI	6466937	Score	1038
Exons	1686..2260, 2288..3975		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13863	Seq. ID	OJ991001_02.0202.C6

Gene No.	29577	Strand	+
Start	1686	End	3975
Name	OJ991001_02.0202.C6.o3.tm	Method	TBLASTX:Maize
Start	2598	End	2903
GI	none	Score	248
Exons	2598..2903, 2730..2903		

Seq. No.	13863	Seq. ID	OJ991001_02.0202.C6
Gene No.	29577	Strand	+
Start	1686	End	3975
Name	OJ991001_02.0202.C6.o1.tw	Method	TBLASTX:Wheat
Start	3138	End	3620
GI	none	Score	387
Exons	3138..3620, 3242..3562, 3258..3578		

Seq. No.	13863	Seq. ID	OJ991001_02.0202.C6
Gene No.	29577	Strand	+
Start	1686	End	3975
Name	OJ991001_02.0202.C6.o2.ts	Method	TBLASTX:Soybean
Start	3174	End	3488
GI	none	Score	207
Exons	3174..3488		

Seq. No.	13863	Seq. ID	OJ991001_02.0202.C6
Gene No.	29577	Strand	+
Start	1686	End	3975
Name	OJ991001_02.0202.C6.o1.tm	Method	TBLASTX:Maize
Start	3201	End	3674
GI	none	Score	607
Exons	3201..3674, 3242..3673		

Seq. No.	13863	Seq. ID	OJ991001_02.0202.C6
Gene No.	29577	Strand	+
Start	1686	End	3975
Name	OJ991001_02.0202.C6.o1.ts	Method	TBLASTX:Soybean
Start	3597	End	3956
GI	none	Score	284
Exons	3597..3956, 3668..3943		

Seq. No.	13863	Seq. ID	OJ991001_02.0202.C6
Gene No.	29577	Strand	+
Start	1686	End	3975
Name	OJ991001_02.0202.C6.o2.tw	Method	TBLASTX:Wheat
Start	3669	End	3962
GI	none	Score	238
Exons	3669..3962, 3716..3943		

Seq. No.	13863	Seq. ID	OJ991001_02.0202.C6
Gene No.	29577	Strand	+
Start	1686	End	3975
Name	OJ991001_02.0202.C6.o2.tm	Method	TBLASTX:Maize
Start	3677	End	3962
GI	none	Score	282
Exons	3677..3961, 3678..3962		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29578	Strand	+

Start	1	End	2171
Name	OJ991001_02.0202.C7.o1.np	Method	AAT/NAP
Start	1	End	2171
GI	6466937	Score	1024
Exons	1..1438, 2103..2171		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29579	Strand	-
Start	1463	End	1768
Name	OJ991001_02.0202.C7.o1.gs	Method	GENSCAN
Start	1463	End	1768
GI	none	Score	.56
Exons	1463..1509, 1606..1768		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29580	Strand	-
Start	1757	End	1833
Name	OJ991001_02.0202.C7.o2.tm	Method	TBLASTX:Maize
Start	5	End	429
GI	none	Score	185
Exons	5..133, 7..129, 115..183, 196..429, 291..395		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29580	Strand	-
Start	1757	End	1833
Name	OJ991001_02.0202.C7.o2.tw	Method	TBLASTX:Wheat
Start	205	End	600
GI	none	Score	247
Exons	205..489, 295..495, 342..599, 441..599, 547..600		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29580	Strand	-
Start	1757	End	1833
Name	OJ991001_02.0202.C7.o1.tm	Method	TBLASTX:Maize
Start	433	End	1065
GI	none	Score	76
Exons	433..495, 435..1058, 528..737, 547..1065		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29580	Strand	-
Start	1757	End	1833
Name	OJ991001_02.0202.C7.o1.ts	Method	TBLASTX:Soybean
Start	549	End	840
GI	none	Score	265
Exons	549..839, 550..840		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29580	Strand	-
Start	1757	End	1833
Name	OJ991001_02.0202.C7.o1.tw	Method	TBLASTX:Wheat
Start	688	End	1272
GI	none	Score	291
Exons	688..1065, 783..1019, 1183..1272		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7

Gene No.	29580	Strand	-
Start	1757	End	1833
Name	OJ991001_02.0202.C7.o3.tm	Method	TBLASTX:Maize
Start	1111	End	1736
GI	none	Score	315
Exons	1111..1536, 1251..1436, 1532..1579, 1536..1583, 1537..1581, 1706..1729, 1713..1736		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29580	Strand	-
Start	1757	End	1833
Name	OJ991001_02.0202.C7.o3.tw	Method	TBLASTX:Wheat
Start	1273	End	1439
GI	none	Score	198
Exons	1273..1437, 1275..1439, 1281..1436		

Seq. No.	13864	Seq. ID	OJ991001_02.0202.C7
Gene No.	29580	Strand	-
Start	1757	End	1833
Name	OJ991001_02.0202.C7.o1.gp	Method	AAT/GAP
Start	1757	End	1833
GI	4879971	Score	88
Exons	1757..1833		

Seq. No.	13865	Seq. ID	OJ991001_02.0202.C8
Gene No.	29581	Strand	-
Start	280	End	2800
Name	OJ991001_02.0202.C8.o1.gs	Method	GENSCAN
Start	280	End	2800
GI	none	Score	.43
Exons	280..495, 1017..1171, 2752..2800		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29582	Strand	+
Start	148	End	2082
Name	OJ991001_02.0202.C10.o1.np	Method	AAT/NAP
Start	148	End	2082
GI	6907095	Score	672
Exons	148..323, 506..609, 898..2082		
GI Descrip.	(AP001129) Similar to Oryza sativa Scl1 protein (AF067401)		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29582	Strand	+
Start	148	End	2082
Name	OJ991001_02.0202.C10.o1.gp	Method	AAT/GAP
Start	1431	End	1849
GI	none	Score	803
Exons	1431..1849		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29583	Strand	+
Start	7592	End	7891
Name	OJ991001_02.0202.C10.o3.gp	Method	AAT/GAP
Start	7592	End	7891
GI	none	Score	592
Exons	7592..7891		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29584	Strand	+
Start	13413	End	14430
Name	OJ991001_02.0202.C10.o2.np	Method	AAT/NAP
Start	13413	End	14430
GI	5777617	Score	89
Exons	13413..13482, 13821..13921, 14298..14430		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29585	Strand	-
Start	2158	End	2504
Name	OJ991001_02.0202.C10.o2.gp	Method	AAT/GAP
Start	2158	End	2504
GI	none	Score	671
Exons	2158..2504		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29586	Strand	-
Start	12124	End	15372
Name	OJ991001_02.0202.C10.o1.tm	Method	TBLASTX:Maize
Start	1033	End	2085
GI	none	Score	48
Exons	1033..1086, 1051..1086, 1089..1157, 1093..1161, 1191..1277, 1192..1353, 1213..1305, 1312..1395, 1320..1367, 1396..1563, 1413..1562, 1542..1607, 1612..1878, 1629..1850, 1944..2081, 1945..2085, 1990..2082		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29586	Strand	-
Start	12124	End	15372
Name	OJ991001_02.0202.C10.o1.ts	Method	TBLASTX:Soybean
Start	1057	End	2085
GI	none	Score	44
Exons	1057..1089, 1058..1090, 1101..1145, 1102..1173, 1195..1386, 1197..1457, 1399..1608, 1410..1607, 1629..1727, 1630..1860, 1944..2084, 1945..2085		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29586	Strand	-
Start	12124	End	15372
Name	OJ991001_02.0202.C10.o1.tc	Method	TBLASTX:Cress
Start	1198	End	1541
GI	none	Score	208
Exons	1198..1464, 1210..1410, 1405..1536, 1410..1541		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29586	Strand	-
Start	12124	End	15372
Name	OJ991001_02.0202.C10.o2.gs	Method	GENSCAN
Start	12124	End	15303
GI	none	Score	.69
Exons	12124..12137, 13304..13482, 13695..13864, 13917..13962, 14525..14932, 15069..15171, 15198..15303		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29586	Strand	-

Start	12124	End	15372
Name	OJ991001_02.0202.C10.o3.np	Method	AAT/NAP
Start	13159	End	15372
GI	3236255	Score	165
Exons	13159..13180, 15000..15183, 15342..15372		
GI Descrip.	(AC004684) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29586	Strand	-
Start	12124	End	15372
Name	OJ991001_02.0202.C10.o2.tc	Method	TBLASTX:Cress
Start	15008	End	15179
GI	none	Score	73
Exons	15008..15178, 15075..15179		

Seq. No.	13866	Seq. ID	OJ991001_02.0202.C10
Gene No.	29586	Strand	-
Start	12124	End	15372
Name	OJ991001_02.0202.C10.o2.ts	Method	TBLASTX:Soybean
Start	15008	End	15179
GI	5666695	Score	71
Exons	15008..15178, 15051..15179		
GI Descrip.	-		

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29587	Strand	+
Start	1537	End	1685
Name	OJ991001_02.0202.C11.o1.gp	Method	AAT/GAP
Start	1537	End	1685
GI	2797006	Score	277
Exons	1537..1685		

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29588	Strand	+
Start	5428	End	5584
Name	OJ991001_02.0202.C11.o3.np	Method	AAT/NAP
Start	5428	End	5584
GI	5852172	Score	92
Exons	5428..5584		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29589	Strand	-
Start	417	End	531
Name	OJ991001_02.0202.C11.o1.np	Method	AAT/NAP
Start	417	End	531
GI	5777617	Score	75
Exons	417..531		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29590	Strand	-
Start	1052	End	8853
Name	OJ991001_02.0202.C11.o2.gs	Method	GENSCAN
Start	1052	End	8853
GI	none	Score	.54
Exons	1052..1233, 1327..1494, 1762..1802, 1931..2817, 3253..3474,		

3534..3806, 3816..3983, 5469..5568, 6421..6607, 7224..7270, 8742..8853

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29590	Strand	-
Start	1052	End	8853
Name	OJ991001_02.0202.C11.o2.tm	Method	TBLASTX:Maize
Start	1755	End	2116
GI	none	Score	57
Exons	1755..1811, 1775..1804, 1925..2083, 1929..2000, 1930..2004, 2002..2112, 2003..2116		

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29590	Strand	-
Start	1052	End	8853
Name	OJ991001_02.0202.C11.o2.np	Method	AAT/NAP
Start	1766	End	3802
GI	6685798	Score	931
Exons	1766..1802, 1931..2817, 3250..3802		
GI Descrip.	PROLINE OXIDASE, MITOCHONDRIAL PRECURSOR (OSMOTIC STRESS-INDUCED PROLINE DEHYDROGENASE)		

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29590	Strand	-
Start	1052	End	8853
Name	OJ991001_02.0202.C11.o1.ts	Method	TBLASTX:Soybean
Start	1769	End	3312
GI	none	Score	139
Exons	1769..1804, 1895..2095, 1930..2112, 2170..2217, 2197..2553, 2542..2610, 2660..2812, 2674..2811, 3247..3312		

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29590	Strand	-
Start	1052	End	8853
Name	OJ991001_02.0202.C11.o1.tc	Method	TBLASTX:Cress
Start	1930	End	3608
GI	none	Score	68
Exons	1930..2055, 1930..2112, 1970..2095, 2170..2205, 2212..2466, 2476..2607, 2672..2812, 2674..2817, 3247..3360, 3492..3608		

Seq. No.	13867	Seq. ID	OJ991001_02.0202.C11
Gene No.	29590	Strand	-
Start	1052	End	8853
Name	OJ991001_02.0202.C11.o1.tm	Method	TBLASTX:Maize
Start	2170	End	2472
GI	none	Score	140
Exons	2170..2472, 2249..2464, 2338..2472		

Seq. No.	13868	Seq. ID	OJ991001_02.0202.C12
Gene No.	29591	Strand	+
Start	173	End	294
Name	OJ991001_02.0202.C12.o1.gs	Method	GENSCAN
Start	173	End	294
GI	none	Score	.56
Exons	173..294		

Seq. No.	13868	Seq. ID	OJ991001_02.0202.C12

Gene No.	29592	Strand	+
Start	1087	End	3448
Name	OJ991001_02.0202.C12.o1.np	Method	AAT/NAP
Start	1087	End	3448
GI	5922634	Score	73
Exons	1087..1190, 3404..3448		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13868	Seq. ID	OJ991001_02.0202.C12
Gene No.	29593	Strand	-
Start	2779	End	5916
Name	OJ991001_02.0202.C12.o2.np	Method	AAT/NAP
Start	2779	End	5916
GI	6633852	Score	311
Exons	2779..2907, 2968..3133, 3426..4277, 5869..5916		
GI Descrip.	(AC008047) F2K11.12 [Arabidopsis thaliana]		

Seq. No.	13868	Seq. ID	OJ991001_02.0202.C12
Gene No.	29593	Strand	-
Start	2779	End	5916
Name	OJ991001_02.0202.C12.o1.tm	Method	TBLASTX:Maize
Start	3506	End	3774
GI	none	Score	220
Exons	3506..3772, 3506..3754, 3507..3773, 3568..3774		

Seq. No.	13868	Seq. ID	OJ991001_02.0202.C12
Gene No.	29593	Strand	-
Start	2779	End	5916
Name	OJ991001_02.0202.C12.o2.tm	Method	TBLASTX:Maize
Start	3868	End	4271
GI	none	Score	265
Exons	3868..4218, 3870..4271		

Seq. No.	13869	Seq. ID	OJ991001_02.0202.C13
Gene No.	29594	Strand	-
Start	2369	End	2746
Name	OJ991001_02.0202.C13.o2.gs	Method	GENSCAN
Start	2369	End	2746
GI	none	Score	.97
Exons	2369..2746		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o1.np	Method	AAT/NAP
Start	1	End	774
GI	6006372	Score	95
Exons	1..56, 267..357, 682..774		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o1.gs	Method	GENSCAN
Start	21	End	3743

GI	none	Score	.75
Exons	21..183, 188..282, 554..661, 1429..1534, 1834..2046, 3616..3743		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o2.np	Method	AAT/NAP
Start	1374	End	5512
GI	3522956	Score	769
Exons	1374..1577, 1834..2046, 3616..3689, 3816..3902, 4156..4280, 4385..4491, 4699..4776, 4870..4975, 5182..5327, 5408..5512		
GI Descrip.	(AC004411) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o2.ts	Method	TBLASTX:Soybean
Start	1511	End	4980
GI	none	Score	219
Exons	1511..1582, 1829..2026, 1830..2045, 3614..3685, 3615..3683, 3825..3899, 4159..4281, 4164..4283, 4699..4782, 4894..4980		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o1.tc	Method	TBLASTX:Cress
Start	1823	End	3683
GI	none	Score	194
Exons	1823..1867, 1830..2045, 1898..2044, 3615..3683		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o2.tm	Method	TBLASTX:Maize
Start	1823	End	4785
GI	none	Score	220
Exons	1823..1867, 1830..2045, 1898..2044, 3614..3685, 3615..3677, 3825..3902, 4153..4278, 4164..4283, 4698..4772, 4699..4785		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o1.gp	Method	AAT/GAP
Start	3790	End	4451
GI	uC-osf1cyp081b10b1	Score	690
Exons	3790..3902, 4156..4451		
GI Descrip.	'4680190/gb|AAD27555.1|AF111710_1 1.0e-19 (AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]'		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o1.tm	Method	TBLASTX:Maize
Start	4862	End	5488
GI	none	Score	69
Exons	4862..4975, 4866..4976, 4866..4976, 4867..4977, 5180..5311, 5180..5311, 5181..5336, 5181..5336, 5406..5477, 5410..5487,		

5411..5488

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o2.tc	Method	TBLASTX:Cress
Start	4900	End	5506
GI	none	Score	70
Exons	4900..4980, 5166..5339, 5180..5338, 5405..5446, 5413..5478, 5462..5506		

Seq. No.	13870	Seq. ID	OJ991001_02.0202.C14
Gene No.	29595	Strand	+
Start	1	End	5512
Name	OJ991001_02.0202.C14.o1.ts	Method	TBLASTX:Soybean
Start	5181	End	5506
GI	none	Score	171
Exons	5181..5339, 5237..5311, 5405..5506, 5410..5490		

Seq. No.	13871	Seq. ID	OJ991001_02.0202.C15
Gene No.	29596	Strand	-
Start	19	End	324
Name	OJ991001_02.0202.C15.o1.gs	Method	GENSCAN
Start	19	End	324
GI	none	Score	.68
Exons	19..324		

Seq. No.	13871	Seq. ID	OJ991001_02.0202.C15
Gene No.	29597	Strand	-
Start	1655	End	2068
Name	OJ991001_02.0202.C15.o2.gs	Method	GENSCAN
Start	1655	End	2068
GI	none	Score	.64
Exons	1655..2068		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29598	Strand	+
Start	2690	End	5293
Name	OJ991001_02.0202.C16.o1.gs	Method	GENSCAN
Start	2690	End	5290
GI	none	Score	.98
Exons	2690..3128, 3205..3368, 3474..3548, 3633..3941, 4417..4761, 5174..5290		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29598	Strand	+
Start	2690	End	5293
Name	OJ991001_02.0202.C16.o1.np	Method	AAT/NAP
Start	2729	End	5293
GI	3386605	Score	931
Exons	2729..3368, 3474..3548, 3633..3941, 4417..4761, 5174..5293		
GI Descrip.	(AC004665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o1.tm	Method	TBLASTX:Maize

Start	3011	End	3371
GI	none	Score	172
Exons	3011..3133, 3011..3049, 3052..3120, 3212..3304, 3213..3305, 3309..3371, 3314..3367		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o2.ts	Method	TBLASTX:Soybean
Start	3011	End	3341
GI	none	Score	149
Exons	3011..3124, 3052..3117, 3210..3341		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o3.ts	Method	TBLASTX:Soybean
Start	3491	End	3848
GI	none	Score	76
Exons	3491..3556, 3492..3548, 3632..3676, 3633..3677, 3753..3848, 3755..3814		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o2.np	Method	AAT/NAP
Start	3547	End	6533
GI	4680190	Score	127
Exons	3547..3604, 6137..6233, 6304..6533		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o2.tc	Method	TBLASTX:Cress
Start	3632	End	3953
GI	none	Score	50
Exons	3632..3676, 3633..3677, 3753..3953, 3758..3940		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o2.tm	Method	TBLASTX:Maize
Start	3864	End	4769
GI	none	Score	69
Exons	3864..3941, 4414..4491, 4471..4614, 4645..4761, 4671..4763, 4672..4767, 4698..4769		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o1.tc	Method	TBLASTX:Cress
Start	4413	End	4770
GI	none	Score	362
Exons	4413..4439, 4414..4770, 4473..4607		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o1.ts	Method	TBLASTX:Soybean
Start	4435	End	5287
GI	none	Score	365
Exons	4435..4761, 5167..5283, 5174..5287		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o2.gs	Method	GENSCAN
Start	6110	End	8101
GI	none	Score	.79
Exons	6110..6267, 7070..7089, 7248..7346, 7684..7707, 7832..7886, 7944..8101		

Seq. No.	13872	Seq. ID	OJ991001_02.0202.C16
Gene No.	29599	Strand	-
Start	3547	End	8101
Name	OJ991001_02.0202.C16.o1.gp	Method	AAT/GAP
Start	6128	End	7330
GI	700043	Score	786
Exons	6128..6267, 6344..6533, 7248..7330		
GI Descrip.	4680190/gb|AAD27555.1|AF111710_1 1.0e-19 (AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	13873	Seq. ID	OJ991001_02.0202.C17
Gene No.	29600	Strand	+
Start	1	End	557
Name	OJ991001_02.0202.C17.o1.np	Method	AAT/NAP
Start	1	End	557
GI	2352927	Score	336
Exons	1..101, 389..557		
GI Descrip.	(AF012865) plastidic 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase 1 [Petroselinum crispum]		

Seq. No.	13873	Seq. ID	OJ991001_02.0202.C17
Gene No.	29600	Strand	+
Start	1	End	557
Name	OJ991001_02.0202.C17.o1.tc	Method	TBLASTX:Cress
Start	1	End	557
GI	none	Score	131
Exons	1..102, 1..105, 3..110, 386..556, 387..557		

Seq. No.	13873	Seq. ID	OJ991001_02.0202.C17
Gene No.	29600	Strand	+
Start	1	End	557
Name	OJ991001_02.0202.C17.o1.ts	Method	TBLASTX:Soybean
Start	1	End	557
GI	none	Score	132
Exons	1..102, 3..113, 386..553, 387..557		

Seq. No.	13873	Seq. ID	OJ991001_02.0202.C17
Gene No.	29600	Strand	+
Start	1	End	557
Name	OJ991001_02.0202.C17.o1.tm	Method	TBLASTX:Maize

Start	386	End	557
GI	none	Score	228
Exons	386..553, 387..557		

Seq. No.	13874	Seq. ID	OJ991001_02.0202.C18
Gene No.	29601	Strand	+
Start	116	End	590
Name	OJ991001_02.0202.C18.o1.gs	Method	GENSCAN
Start	116	End	590
GI	none	Score	.49
Exons	116..590		

Seq. No.	13875	Seq. ID	OJ991011_09.0215.C1
Gene No.	29602	Strand	-
Start	1	End	566
Name	OJ991011_09.0215.C1.o1.np	Method	AAT/NAP
Start	1	End	566
GI	4680180	Score	892
Exons	1..566		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13875	Seq. ID	OJ991011_09.0215.C1
Gene No.	29602	Strand	-
Start	1	End	566
Name	OJ991011_09.0215.C1.o1.gs	Method	GENSCAN
Start	102	End	563
GI	none	Score	.91
Exons	102..563		

Seq. No.	13875	Seq. ID	OJ991011_09.0215.C1
Gene No.	29602	Strand	-
Start	1	End	566
Name	OJ991011_09.0215.C1.o1.tm	Method	TBLASTX:Maize
Start	204	End	458
GI	none	Score	62
Exons	204..458, 343..450		

Seq. No.	13875	Seq. ID	OJ991011_09.0215.C1
Gene No.	29602	Strand	-
Start	1	End	566
Name	OJ991011_09.0215.C1.o1.tw	Method	TBLASTX:Wheat
Start	207	End	564
GI	none	Score	168
Exons	207..563, 352..564		

Seq. No.	13875	Seq. ID	OJ991011_09.0215.C1
Gene No.	29602	Strand	-
Start	1	End	566
Name	OJ991011_09.0215.C1.o1.ts	Method	TBLASTX:Soybean
Start	331	End	563
GI	none	Score	128
Exons	331..558, 333..563		

Seq. No.	13876	Seq. ID	OJ991011_09.0215.C2
Gene No.	29603	Strand	-
Start	120	End	495
Name	OJ991011_09.0215.C2.o1.tw	Method	TBLASTX:Wheat

Start	1	End	176
GI	none	Score	103
Exons	1..159, 6..176		

Seq. No.	13876	Seq. ID	OJ991011_09.0215.C2
Gene No.	29603	Strand	-
Start	120	End	495
Name	OJ991011_09.0215.C2.o1.np	Method	AAT/NAP
Start	120	End	495
GI	5902444	Score	513
Exons	120..495		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	13877	Seq. ID	OJ991011_09.0215.C3
Gene No.	29604	Strand	-
Start	361	End	704
Name	OJ991011_09.0215.C3.o1.np	Method	AAT/NAP
Start	361	End	704
GI	3157949	Score	221
Exons	361..704		
GI Descrip.	(AC002131) Similar to glucan endo-1,3-beta-D-glucosidase precursor gb|Z28697 from Nicotiana tabacum. ESTs gb|Z18185 and gb|AA605362 come from this gene. [Arabidopsis thaliana]		

Seq. No.	13877	Seq. ID	OJ991011_09.0215.C3
Gene No.	29604	Strand	-
Start	361	End	704
Name	OJ991011_09.0215.C3.o1.tm	Method	TBLASTX:Maize
Start	407	End	636
GI	none	Score	144
Exons	407..580, 409..612, 410..634, 411..635, 412..636		

Seq. No.	13877	Seq. ID	OJ991011_09.0215.C3
Gene No.	29604	Strand	-
Start	361	End	704
Name	OJ991011_09.0215.C3.o1.gp	Method	AAT/GAP
Start	410	End	480
GI	286358	Score	122
Exons	410..480		

Seq. No.	13877	Seq. ID	OJ991011_09.0215.C3
Gene No.	29604	Strand	-
Start	361	End	704
Name	OJ991011_09.0215.C3.o1.tc	Method	TBLASTX:Cress
Start	410	End	679
GI	none	Score	165
Exons	410..613, 411..614, 436..615, 617..679		

Seq. No.	13877	Seq. ID	OJ991011_09.0215.C3
Gene No.	29604	Strand	-
Start	361	End	704
Name	OJ991011_09.0215.C3.o1.tw	Method	TBLASTX:Wheat
Start	411	End	661
GI	none	Score	64
Exons	411..530, 413..577, 581..661, 582..653		

Seq. No.	13877	Seq. ID	OJ991011_09.0215.C3

Gene No.	29604	Strand	-
Start	361	End	704
Name	OJ991011_09.0215.C3.o1.gs	Method	GENSCAN
Start	412	End	682
GI	none	Score	.98
Exons	412..682		

Seq. No.	13877	Seq. ID	OJ991011_09.0215.C3
Gene No.	29604	Strand	-
Start	361	End	704
Name	OJ991011_09.0215.C3.o1.ts	Method	TBLASTX:Soybean
Start	521	End	704
GI	none	Score	237
Exons	521..703, 522..704		

Seq. No.	13878	Seq. ID	OJ991011_09.0215.C5
Gene No.	29605	Strand	+
Start	2461	End	5118
Name	OJ991011_09.0215.C5.o1.gp	Method	AAT/GAP
Start	2461	End	4731
GI	18281_1.R1084	Score	1034
Exons	2461..2785, 2957..3028, 3437..3504, 4475..4592, 4684..4731		
GI Descrip.	'4741923/gb|AAD28757.1|AF130849_1 5.0e-14 (AF130849) PIT1 [Arabidopsis thaliana]'		

Seq. No.	13878	Seq. ID	OJ991011_09.0215.C5
Gene No.	29605	Strand	+
Start	2461	End	5118
Name	OJ991011_09.0215.C5.o1.gs	Method	GENSCAN
Start	2603	End	5118
GI	none	Score	.87
Exons	2603..2785, 3437..3504, 4475..4592, 4633..4767, 4841..4948, 5035..5118		

Seq. No.	13878	Seq. ID	OJ991011_09.0215.C5
Gene No.	29605	Strand	+
Start	2461	End	5118
Name	OJ991011_09.0215.C5.o1.np	Method	AAT/NAP
Start	2650	End	4938
GI	4741923	Score	168
Exons	2650..2785, 2957..3028, 3437..3505, 4477..4592, 4684..4767, 4841..4938		
GI Descrip.	(AF130849) PIT1 [Arabidopsis thaliana]		

Seq. No.	13878	Seq. ID	OJ991011_09.0215.C5
Gene No.	29605	Strand	+
Start	2461	End	5118
Name	OJ991011_09.0215.C5.o1.tm	Method	TBLASTX:Maize
Start	2694	End	4926
GI	none	Score	118
Exons	2694..2783, 2699..2785, 2954..3028, 2956..3024, 3434..3502, 3436..3504, 4560..4592, 4672..4764, 4682..4735, 4683..4760, 4684..4767, 4822..4926, 4823..4909		

Seq. No.	13879	Seq. ID	OJ991011_09.0215.C6
Gene No.	29606	Strand	+
Start	1108	End	1681

Name	OJ991011_09.0215.C6.o1.gs	Method	GENSCAN
Start	1108	End	1681
GI	none	Score	.5
Exons	1108..1192, 1665..1681		

Seq. No.	13879	Seq. ID	OJ991011_09.0215.C6
Gene No.	29607	Strand	+
Start	3069	End	3454
Name	OJ991011_09.0215.C6.o1.gp	Method	AAT/GAP
Start	3069	End	3454
GI	LIB3434-053-P1-K1-D6	Score	747
Exons	3069..3454		
GI Descrip.	'3426046 3.0e-14 (AC005168) similar to salt-inducible protein [Arabidopsis thaliana]'		

Seq. No.	13879	Seq. ID	OJ991011_09.0215.C6
Gene No.	29608	Strand	-
Start	2404	End	4302
Name	OJ991011_09.0215.C6.o2.gs	Method	GENSCAN
Start	2404	End	4302
GI	none	Score	.94
Exons	2404..4302		

Seq. No.	13879	Seq. ID	OJ991011_09.0215.C6
Gene No.	29608	Strand	-
Start	2404	End	4302
Name	OJ991011_09.0215.C6.o1.tm	Method	TBLASTX:Maize
Start	2428	End	3267
GI	none	Score	547
Exons	2428..2838, 2432..2836, 2761..2955, 2833..3069, 2926..3162, 3031..3162, 3031..3267		

Seq. No.	13879	Seq. ID	OJ991011_09.0215.C6
Gene No.	29608	Strand	-
Start	2404	End	4302
Name	OJ991011_09.0215.C6.o1.ts	Method	TBLASTX:Soybean
Start	2488	End	3249
GI	none	Score	235
Exons	2488..2790, 2489..2761, 2770..2970, 2774..2971, 2794..3192, 2899..3249, 2974..3027		

Seq. No.	13879	Seq. ID	OJ991011_09.0215.C6
Gene No.	29608	Strand	-
Start	2404	End	4302
Name	OJ991011_09.0215.C6.o1.tc	Method	TBLASTX:Cress
Start	2503	End	3339
GI	none	Score	77
Exons	2503..2739, 2761..2919, 2773..3129, 2782..3000, 2858..3130, 2890..3276, 2965..3171, 2968..3339, 2990..3322, 3034..3339, 3070..3315, 3181..3339		

Seq. No.	13879	Seq. ID	OJ991011_09.0215.C6
Gene No.	29608	Strand	-
Start	2404	End	4302
Name	OJ991011_09.0215.C6.o2.tm	Method	TBLASTX:Maize
Start	3303	End	3768
GI	none	Score	82

Exons	3303..3368, 3304..3372, 3304..3372, 3382..3438, 3383..3439, 3385..3633, 3388..3663, 3437..3664, 3685..3768, 3686..3748		
Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29609	Strand	+
Start	266	End	737
Name	OJ991011_09.0215.C7.o1.gs	Method	GENSCAN
Start	266	End	737
GI	none	Score	.59
Exons	266..460, 643..737		
Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29610	Strand	-
Start	1	End	1789
Name	OJ991011_09.0215.C7.o1.np	Method	AAT/NAP
Start	1	End	1599
GI	99922	Score	723
Exons	1..125, 754..1599		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		
Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29610	Strand	-
Start	1	End	1789
Name	OJ991011_09.0215.C7.o2.gs	Method	GENSCAN
Start	1095	End	1789
GI	none	Score	.4
Exons	1095..1233, 1698..1789		
Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o3.tm	Method	TBLASTX:Maize
Start	738	End	1162
GI	none	Score	92
Exons	738..908, 758..907, 923..1156, 930..1157, 1025..1162		
Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o1.tw	Method	TBLASTX:Wheat
Start	747	End	1213
GI	none	Score	69
Exons	747..908, 748..909, 752..907, 951..1046, 953..1048, 1055..1159, 1062..1169, 1149..1205, 1157..1213		
Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o2.tc	Method	TBLASTX:Cress
Start	1001	End	1351
GI	none	Score	49
Exons	1001..1351, 1002..1076, 1098..1154, 1194..1343		
Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610

Name	OJ991011_09.0215.C7.o3.ts	Method	TBLASTX:Soybean
Start	1073	End	1499
GI	none	Score	98
Exons	1073..1351, 1091..1312, 1101..1337, 1371..1499, 1412..1492		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o3.gs	Method	GENSCAN
Start	4796	End	8610
GI	none	Score	.9
Exons	4796..5039, 5253..6861, 7075..7319, 7439..7499, 7792..7945, 8141..8263, 8504..8610		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o4.ts	Method	TBLASTX:Soybean
Start	4809	End	5341
GI	none	Score	131
Exons	4809..4964, 4844..4963, 4988..5041, 5252..5341, 5253..5321		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o1.ts	Method	TBLASTX:Soybean
Start	5349	End	5996
GI	none	Score	114
Exons	5349..5519, 5351..5779, 5351..5995, 5715..5948, 5820..5996, 5825..5992		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o2.tm	Method	TBLASTX:Maize
Start	5351	End	5755
GI	none	Score	63
Exons	5351..5431, 5352..5432, 5414..5662, 5418..5645, 5419..5652, 5669..5737, 5687..5755		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o1.tm	Method	TBLASTX:Maize
Start	5816	End	6358
GI	none	Score	154
Exons	5816..6217, 5817..5960, 5817..6233, 5825..6181, 6015..6218, 6205..6345, 6206..6358, 6210..6308, 6224..6340		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o2.ts	Method	TBLASTX:Soybean
Start	6057	End	6340
GI	none	Score	139
Exons	6057..6215, 6059..6214, 6194..6340, 6210..6311		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o1.gp	Method	AAT/GAP
Start	6122	End	6580
GI	3761423	Score	872
Exons	6122..6580		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o1.tc	Method	TBLASTX:Cress
Start	6671	End	7138
GI	none	Score	179
Exons	6671..6862, 6684..6863, 6697..6864, 6912..7016, 6939..7010, 6953..7015, 7085..7138		

Seq. No.	13880	Seq. ID	OJ991011_09.0215.C7
Gene No.	29611	Strand	-
Start	4796	End	8610
Name	OJ991011_09.0215.C7.o4.tm	Method	TBLASTX:Maize
Start	7224	End	8240
GI	none	Score	79
Exons	7224..7319, 7225..7311, 7256..7318, 7427..7492, 7438..7494, 7438..7500, 7776..7979, 7793..7945, 8141..8209, 8208..8240		

Seq. No.	13881	Seq. ID	OJ991011_09.0215.C8
Gene No.	29612	Strand	
Start	296	End	1570
Name	OJ991011_09.0215.C8.o1.tm	Method	TBLASTX:Maize
Start	296	End	1222
GI	none	Score	700
Exons	296..1222, 298..564, 377..706, 658..1146		

Seq. No.	13881	Seq. ID	OJ991011_09.0215.C8
Gene No.	29612	Strand	
Start	296	End	1570
Name	OJ991011_09.0215.C8.o3.tw	Method	TBLASTX:Wheat
Start	344	End	583
GI	none	Score	230
Exons	344..583, 370..552, 404..577		

Seq. No.	13881	Seq. ID	OJ991011_09.0215.C8
Gene No.	29612	Strand	
Start	296	End	1570
Name	OJ991011_09.0215.C8.o2.tw	Method	TBLASTX:Wheat
Start	590	End	1006
GI	none	Score	164
Exons	590..781, 661..780, 781..936, 782..946, 782..955, 947..1006		

Seq. No.	13881	Seq. ID	OJ991011_09.0215.C8
Gene No.	29612	Strand	
Start	296	End	1570
Name	OJ991011_09.0215.C8.o1.ts	Method	TBLASTX:Soybean
Start	863	End	1423
GI	none	Score	180
Exons	863..1213, 1217..1423		

Seq. No.	13881	Seq. ID	OJ991011_09.0215.C8
Gene No.	29612	Strand	
Start	296	End	1570
Name	OJ991011_09.0215.C8.o1.tw	Method	TBLASTX:Wheat
Start	1013	End	1564
GI	none	Score	283
Exons	1013..1456, 1015..1215, 1234..1317, 1433..1564		

Seq. No.	13881	Seq. ID	OJ991011_09.0215.C8
Gene No.	29612	Strand	
Start	296	End	1570
Name	OJ991011_09.0215.C8.o2.tm	Method	TBLASTX:Maize
Start	1226	End	1570
GI	none	Score	150
Exons	1226..1387, 1258..1326, 1259..1378, 1451..1570		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29613	Strand	+
Start	8410	End	11529
Name	OJ991011_09.0215.C9.o1.np	Method	AAT/NAP
Start	8410	End	11529
GI	5902445	Score	3063
Exons	8410..10245, 10285..11529		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29614	Strand	+
Start	16132	End	19158
Name	OJ991011_09.0215.C9.o4.gs	Method	GENSCAN
Start	16132	End	18887
GI	none	Score	.54
Exons	16132..16221, 16266..16410, 16545..16637, 17548..17687, 18000..18227, 18465..18638, 18813..18887		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29614	Strand	+
Start	16132	End	19158
Name	OJ991011_09.0215.C9.o5.np	Method	AAT/NAP
Start	17515	End	19158
GI	6069646	Score	513
Exons	17515..17871, 18154..19158		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29615	Strand	-
Start	534	End	2077
Name	OJ991011_09.0215.C9.o1.gs	Method	GENSCAN
Start	534	End	2077
GI	none	Score	.81
Exons	534..630, 1226..1392, 1517..1569, 1947..2077		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9

Gene No.	29615	Strand	-
Start	534	End	2077
Name	OJ991011_09.0215.C9.o1.gp	Method	AAT/GAP
Start	699	End	856
GI	35458_1.R1084	Score	136
Exons	699..779, 824..856		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29616	Strand	-
Start	12150	End	15623
Name	OJ991011_09.0215.C9.o3.gs	Method	GENSCAN
Start	12150	End	15623
GI	none	Score	.71
Exons	12150..12574, 12766..12911, 13166..13497, 13507..13795, 13863..13921, 13992..14174, 14242..14366, 14576..14694, 14816..14998, 15156..15334, 15570..15623		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29616	Strand	-
Start	12150	End	15623
Name	OJ991011_09.0215.C9.o2.np	Method	AAT/NAP
Start	13033	End	14642
GI	6721561	Score	1059
Exons	13033..13795, 13863..13921, 13992..14208, 14607..14642		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29616	Strand	-
Start	12150	End	15623
Name	OJ991011_09.0215.C9.o3.np	Method	AAT/NAP
Start	13595	End	15255
GI	6721558	Score	248
Exons	13595..13795, 14238..14366, 15156..15255		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29617	Strand	-
Start	16085	End	17791
Name	OJ991011_09.0215.C9.o4.np	Method	AAT/NAP
Start	16085	End	17791
GI	6721512	Score	77
Exons	16085..16216, 17751..17791		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o8.tw	Method	TBLASTX:Wheat
Start	6679	End	7074

GI	none	Score	62
Exons	6679..6729, 6730..6843, 6741..6791, 6802..7074, 6849..6962		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o6.tm	Method	TBLASTX:Maize
Start	6724	End	6963
GI	none	Score	200
Exons	6724..6963		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o4.tw	Method	TBLASTX:Wheat
Start	7708	End	8163
GI	none	Score	147
Exons	7708..7890, 7719..7889, 7927..8163, 7929..8153		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o1.tw	Method	TBLASTX:Wheat
Start	8355	End	8811
GI	none	Score	531
Exons	8355..8810, 8356..8811		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o1.tm	Method	TBLASTX:Maize
Start	8485	End	8841
GI	none	Score	392
Exons	8485..8841, 8539..8787, 8547..8840		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o3.tm	Method	TBLASTX:Maize
Start	8869	End	9252
GI	none	Score	332
Exons	8869..9252, 9036..9251		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o2.tw	Method	TBLASTX:Wheat
Start	8926	End	9350
GI	none	Score	463
Exons	8926..9348, 8929..9315, 9036..9350		

Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o1.ts	Method	TBLASTX:Soybean
Start	8980	End	9405
GI	none	Score	308

Exons	8980..9405, 9039..9155		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o6.tw	Method	TBLASTX:Wheat
Start	9495	End	9903
GI	none	Score	206
Exons	9495..9722, 9496..9720, 9730..9903		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o2.ts	Method	TBLASTX:Soybean
Start	9622	End	10002
GI	none	Score	77
Exons	9622..9744, 9751..10002		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o9.tw	Method	TBLASTX:Wheat
Start	9943	End	10200
GI	none	Score	182
Exons	9943..10200, 9948..10073		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o2.tm	Method	TBLASTX:Maize
Start	10405	End	10710
GI	none	Score	344
Exons	10405..10710, 10443..10709		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o5.tw	Method	TBLASTX:Wheat
Start	10405	End	10788
GI	none	Score	371
Exons	10405..10788, 10413..10787		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o3.tw	Method	TBLASTX:Wheat
Start	10912	End	11520
GI	none	Score	338
Exons	10912..11364, 10926..11015, 11061..11168, 11389..11520, 11394..11519		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o7.tm	Method	TBLASTX:Maize
Start	11218	End	11484
GI	none	Score	140

Exons	11218..11400, 11401..11484		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o4.tm	Method	TBLASTX:Maize
Start	17514	End	18080
GI	none	Score	303
Exons	17514..18080		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o7.tw	Method	TBLASTX:Wheat
Start	17727	End	18167
GI	none	Score	220
Exons	17727..18023, 17762..17992, 18009..18167, 18074..18166		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o5.tm	Method	TBLASTX:Maize
Start	18671	End	18955
GI	none	Score	302
Exons	18671..18955, 18678..18950		
Seq. No.	13882	Seq. ID	OJ991011_09.0215.C9
Gene No.	29618	Strand	-
Start	26766	End	30466
Name	OJ991011_09.0215.C9.o6.gs	Method	GENSCAN
Start	26766	End	30466
GI	none	Score	.68
Exons	26766..26887, 29459..29597, 29624..29740, 30437..30466		
Seq. No.	13883	Seq. ID	OJ991011_09.0215.C10
Gene No.	29619	Strand	+
Start	1	End	2169
Name	OJ991011_09.0215.C10.o1.np	Method	AAT/NAP
Start	1	End	2169
GI	5042463	Score	130
Exons	1..21, 1021..1216, 1883..2063, 2109..2169		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	13883	Seq. ID	OJ991011_09.0215.C10
Gene No.	29620	Strand	+
Start	9939	End	10322
Name	OJ991011_09.0215.C10.o2.gs	Method	GENSCAN
Start	9939	End	10322
GI	none	Score	.97
Exons	9939..10322		
Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29621	Strand	+
Start	1	End	5851
Name	OJ991011_09.0215.C11.o1.np	Method	AAT/NAP
Start	1	End	3821
GI	6598934	Score	1051

Exons	1..21, 303..478, 2080..2251, 2501..2704, 3078..3231, 3473..3821		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29621	Strand	+
Start	1	End	5851
Name	OJ991011_09.0215.C11.o1.gs	Method	GENSCAN
Start	57	End	5851
GI	none	Score	.58
Exons	57..478, 2080..2251, 2501..2700, 3071..3163, 3473..3757, 4960..4987, 5523..5615, 5735..5851		

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29621	Strand	+
Start	1	End	5851
Name	OJ991011_09.0215.C11.o1.gp	Method	AAT/GAP
Start	2115	End	3547
GI	15876_1.R1084	Score	995
Exons	2115..2251, 2501..2700, 3071..3231, 3473..3547		
GI Descrip.	'1717793/sp|P53995|TS24_MOUSE 4.0e-20 PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi_1083553_pir__A55117 tsg24 protein - mouse >gi_642252_emb_CAA56450_ (X80169) tsg24 [Mus musculus]'		

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29622	Strand	+
Start	7476	End	10456
Name	OJ991011_09.0215.C11.o2.gs	Method	GENSCAN
Start	7476	End	10456
GI	none	Score	.85
Exons	7476..7543, 9021..9143, 10291..10456		

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o1.tm	Method	TBLASTX:Maize
Start	294	End	3968
GI	none	Score	290
Exons	294..470, 335..478, 2072..2251, 2075..2251, 2076..2252, 2077..2253, 2497..2616, 2498..2614, 2615..2695, 2615..2695, 2617..2769, 3071..3148, 3072..3143, 3077..3148, 3145..3231, 3146..3232, 3471..3821, 3473..3820, 3482..3835, 3841..3870, 3945..3968		

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o3.ts	Method	TBLASTX:Soybean
Start	306	End	458
GI	none	Score	189
Exons	306..458, 332..457		

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o1.tw	Method	TBLASTX:Wheat
Start	435	End	2697
GI	none	Score	77

Exons	435..470, 437..478, 2072..2248, 2081..2251, 2497..2697, 2501..2695, 2503..2697		
Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o2.ts	Method	TBLASTX:Soybean
Start	2072	End	2650
GI	none	Score	140
Exons	2072..2269, 2090..2188, 2125..2241, 2499..2648, 2500..2649, 2501..2650, 2501..2650		
Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o1.tc	Method	TBLASTX:Cress
Start	2509	End	2709
GI	none	Score	281
Exons	2509..2706, 2510..2707, 2519..2707, 2521..2709		
Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o1.ts	Method	TBLASTX:Soybean
Start	2651	End	3815
GI	none	Score	83
Exons	2651..2701, 3077..3148, 3078..3143, 3145..3219, 3146..3232, 3470..3610, 3471..3611, 3612..3815, 3614..3793		
Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o2.tc	Method	TBLASTX:Cress
Start	3612	End	3797
GI	none	Score	238
Exons	3612..3797, 3614..3793		
Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o3.gs	Method	GENSCAN
Start	11688	End	17154
GI	none	Score	.85
Exons	11688..11693, 12035..12292, 12789..12887, 13254..13331, 13424..13563, 13637..13700, 14590..14763, 15122..15262, 15741..15842, 16016..16129, 16204..16280, 17076..17154		
Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o2.tm	Method	TBLASTX:Maize
Start	11931	End	13333
GI	none	Score	80
Exons	11931..11999, 11938..12003, 11982..12293, 11986..12282, 11987..12310, 11987..12301, 12368..12388, 12787..12882, 12828..12899, 12832..12900, 12960..13058, 12972..13058, 12976..13062, 12988..13059, 13182..13331, 13183..13332,		

13183..13332, 13187..13333

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o2.np	Method	AAT/NAP
Start	12976	End	17244
GI	6678834	Score	421
Exons	12976..13032, 13165..13295, 13430..13522, 13611..13700, 14590..14763, 15122..15262, 15741..15842, 16016..16100, 16207..16280, 17076..17244		
GI Descrip.	meiotic check point regulator gi|1717793|sp|P53995|TS24_MOUSE PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) gi|1083553|pir||A55117 tsg24 protein - mouse gi|642252|emb|CAA56450| (X80169) tsg24 [Mus musculus]		

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o2.gp	Method	AAT/GAP
Start	13441	End	15266
GI	2800538	Score	732
Exons	13441..13563, 13637..13700, 14590..14763, 15122..15266		
GI Descrip.	1717793/sp|P53995|TS24_MOUSE 4.0e-20 PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi_1083553_pir__A55117 tsg24 protein - mouse >gi_642252_emb_CAA56450_ (X80169) tsg24 [Mus musculus]		

Seq. No.	13884	Seq. ID	OJ991011_09.0215.C11
Gene No.	29623	Strand	-
Start	11688	End	17244
Name	OJ991011_09.0215.C11.o3.tm	Method	TBLASTX:Maize
Start	13477	End	14724
GI	none	Score	131
Exons	13477..13560, 13478..13564, 13479..13565, 13482..13565, 13633..13713, 13638..13700, 14587..14721, 14590..14724, 14592..14723		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29624	Strand	+
Start	17932	End	18521
Name	OJ991011_09.0215.C12.o2.gs	Method	GENSCAN
Start	17932	End	18521
GI	none	Score	.53
Exons	17932..17985, 18009..18521		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29625	Strand	+
Start	19257	End	21013
Name	OJ991011_09.0215.C12.o3.gs	Method	GENSCAN
Start	19257	End	21013
GI	none	Score	.57
Exons	19257..19455, 19627..19789, 20872..21013		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o1.gs	Method	GENSCAN

Start	624	End	15834
GI	none	Score	.54
Exons	624..747, 2048..2160, 2995..3066, 3673..3753, 3990..4130, 4280..4378, 6469..6801, 6875..7334, 8121..8596, 9975..10145, 11100..11169, 11241..11428, 12083..12240, 12322..12427, 13107..13304, 14000..14063, 15596..15834		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o1.np	Method	AAT/NAP
Start	783	End	22053
GI	6678834	Score	239
Exons	783..879, 1731..1798, 2991..3066, 3673..3753, 3990..4127, 4280..4378, 4944..4994, 5117..5218, 5547..5630, 6469..6589, 6686..6801, 6875..7334, 8121..8362, 22027..22053		
GI Descrip.	meiotic check point regulator gi|1717793|sp|P53995|TS24_MOUSE PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) gi|1083553|pir||A55117 tsg24 protein - mouse gi|642252|emb|CAA56450| (X80169) tsg24 [Mus musculus]		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o4.tw	Method	TBLASTX:Wheat
Start	18722	End	19086
GI	none	Score	103
Exons	18722..18835, 18846..19046, 18956..19018, 19026..19079, 19027..19086		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o1.tm	Method	TBLASTX:Maize
Start	19978	End	20938
GI	none	Score	284
Exons	19978..20334, 19992..20264, 20310..20450, 20333..20440, 20450..20938, 20452..20598, 20665..20727, 20723..20818		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o1.tw	Method	TBLASTX:Wheat
Start	20025	End	20342
GI	none	Score	282
Exons	20025..20270, 20026..20307, 20310..20342		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o1.ts	Method	TBLASTX:Soybean
Start	20540	End	21112
GI	none	Score	55
Exons	20540..20599, 20669..20896, 20785..20895, 20885..21070, 21071..21112		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12

Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o3.tw	Method	TBLASTX:Wheat
Start	20693	End	21243
GI	none	Score	268
Exons	20693..21055, 20788..20958, 21145..21243		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o2.tm	Method	TBLASTX:Maize
Start	21142	End	21612
GI	none	Score	249
Exons	21142..21513, 21148..21342, 21523..21612		

Seq. No.	13885	Seq. ID	OJ991011_09.0215.C12
Gene No.	29626	Strand	-
Start	624	End	22053
Name	OJ991011_09.0215.C12.o2.tw	Method	TBLASTX:Wheat
Start	21343	End	21705
GI	none	Score	284
Exons	21343..21702, 21544..21705		

Seq. No.	13886	Seq. ID	OJ991011_09.0215.C13
Gene No.	29627	Strand	+
Start	701	End	1206
Name	OJ991011_09.0215.C13.o1.gs	Method	GENSCAN
Start	701	End	1206
GI	none	Score	.58
Exons	701..903, 1115..1206		

Seq. No.	13886	Seq. ID	OJ991011_09.0215.C13
Gene No.	29628	Strand	-
Start	2294	End	3855
Name	OJ991011_09.0215.C13.o2.gs	Method	GENSCAN
Start	2294	End	3855
GI	none	Score	.55
Exons	2294..2450, 2684..2763, 2885..2995, 3266..3494, 3662..3855		

Seq. No.	13886	Seq. ID	OJ991011_09.0215.C13
Gene No.	29628	Strand	-
Start	2294	End	3855
Name	OJ991011_09.0215.C13.o1.np	Method	AAT/NAP
Start	2393	End	3840
GI	4585884	Score	482
Exons	2393..2512, 2662..2995, 3094..3840		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13886	Seq. ID	OJ991011_09.0215.C13
Gene No.	29628	Strand	-
Start	2294	End	3855
Name	OJ991011_09.0215.C13.o1.tm	Method	TBLASTX:Maize
Start	2641	End	3002
GI	none	Score	128
Exons	2641..2880, 2659..2859, 2874..3002, 2884..2994		

Seq. No.	13886	Seq. ID	OJ991011_09.0215.C13

Gene No.	29628	Strand	-
Start	2294	End	3855
Name	OJ991011_09.0215.C13.o1.ts	Method	TBLASTX:Soybean
Start	2698	End	3021
GI	none	Score	63
Exons	2698..2880, 2907..3020, 2916..3020, 2920..3021		

Seq. No.	13886	Seq. ID	OJ991011_09.0215.C13
Gene No.	29628	Strand	-
Start	2294	End	3855
Name	OJ991011_09.0215.C13.o1.tw	Method	TBLASTX:Wheat
Start	3089	End	3460
GI	none	Score	115
Exons	3089..3334, 3092..3376, 3093..3338, 3380..3460		

Seq. No.	13886	Seq. ID	OJ991011_09.0215.C13
Gene No.	29628	Strand	-
Start	2294	End	3855
Name	OJ991011_09.0215.C13.o2.tm	Method	TBLASTX:Maize
Start	3131	End	3577
GI	none	Score	94
Exons	3131..3394, 3398..3577		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29629	Strand	+
Start	369	End	6074
Name	OJ991011_09.0215.C14.o1.gs	Method	GENSCAN
Start	369	End	6074
GI	none	Score	.47
Exons	369..512, 2238..2354, 2359..2806, 5411..5754, 5765..5830, 5847..6074		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29629	Strand	+
Start	369	End	6074
Name	OJ991011_09.0215.C14.o2.np	Method	AAT/NAP
Start	2303	End	3204
GI	5852178	Score	495
Exons	2303..2611, 2643..2746, 3109..3204		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29629	Strand	+
Start	369	End	6074
Name	OJ991011_09.0215.C14.o1.gp	Method	AAT/GAP
Start	3339	End	3773
GI	2428185	Score	656
Exons	3339..3773		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29630	Strand	+
Start	8812	End	13862
Name	OJ991011_09.0215.C14.o3.gs	Method	GENSCAN
Start	8812	End	13862
GI	none	Score	.88

Exons	8812..8867, 10918..11026, 11489..11815, 12021..12190, 12273..12631, 12709..12896, 12971..13148, 13411..13862		
Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29630	Strand	+
Start	8812	End	13862
Name	OJ991011_09.0215.C14.o4.np	Method	AAT/NAP
Start	10931	End	13850
GI	6691716	Score	2573
Exons	10931..11806, 11996..12190, 12273..12373, 12450..12631, 12709..12896, 12971..13071, 13222..13337, 13411..13850		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29631	Strand	-
Start	5394	End	5983
Name	OJ991011_09.0215.C14.o3.np	Method	AAT/NAP
Start	5394	End	5983
GI	6907092	Score	492
Exons	5394..5530, 5600..5641, 5697..5983		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29632	Strand	-
Start	14198	End	16278
Name	OJ991011_09.0215.C14.o4.tw	Method	TBLASTX:Wheat
Start	11024	End	11341
GI	none	Score	203
Exons	11024..11341		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29632	Strand	-
Start	14198	End	16278
Name	OJ991011_09.0215.C14.o5.np	Method	AAT/NAP
Start	14198	End	16278
GI	5902445	Score	2755
Exons	14198..16278		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29632	Strand	-
Start	14198	End	16278
Name	OJ991011_09.0215.C14.o1.tw	Method	TBLASTX:Wheat
Start	14207	End	14821
GI	none	Score	82
Exons	14207..14344, 14330..14821, 14538..14666, 14733..14801		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29632	Strand	-
Start	14198	End	16278
Name	OJ991011_09.0215.C14.o2.tm	Method	TBLASTX:Maize
Start	14246	End	14500
GI	none	Score	99
Exons	14246..14347, 14247..14348, 14327..14500, 14328..14447		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29632	Strand	-
Start	14198	End	16278
Name	OJ991011_09.0215.C14.o2.tw	Method	TBLASTX:Wheat
Start	14934	End	15322
GI	none	Score	56
Exons	14934..14981, 14936..15322, 15012..15299		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29632	Strand	-
Start	14198	End	16278
Name	OJ991011_09.0215.C14.o1.tm	Method	TBLASTX:Maize
Start	14966	End	15329
GI	none	Score	239
Exons	14966..15013, 15003..15329, 15020..15328		

Seq. No.	13887	Seq. ID	OJ991011_09.0215.C14
Gene No.	29632	Strand	-
Start	14198	End	16278
Name	OJ991011_09.0215.C14.o3.tw	Method	TBLASTX:Wheat
Start	15560	End	15966
GI	none	Score	76
Exons	15560..15856, 15560..15823, 15826..15966, 15836..15922		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29633	Strand	+
Start	338	End	5479
Name	OJ991111_01.0218.C1.o1.gs	Method	GENSCAN
Start	338	End	5479
GI	none	Score	.92
Exons	338..410, 1032..1386, 2876..2919, 3214..3396, 3541..3929, 4382..4953, 5371..5479		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29633	Strand	+
Start	338	End	5479
Name	OJ991111_01.0218.C1.o1.np	Method	AAT/NAP
Start	646	End	5109
GI	4903006	Score	1617
Exons	646..826, 1103..1386, 3083..3396, 3547..3929, 4382..4953, 5058..5109		
GI Descrip.	(AB027458) ACE [Arabidopsis thaliana] gi|5903086|gb|AAD55644.1|AC008017_17 (AC008017) ACE [Arabidopsis thaliana]		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29633	Strand	+
Start	338	End	5479
Name	OJ991111_01.0218.C1.o1.gp	Method	AAT/GAP
Start	3598	End	4493
GI	27472_1.R1084	Score	763
Exons	3598..3929, 4382..4493		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1

Gene No.	29633	Strand	+
Start	338	End	5479
Name	OJ991111_01.0218.C1.o2.gp	Method	AAT/GAP
Start	4497	End	4952
GI	65707_1.R1084	Score	859
Exons	4497..4952		
GI Descrip.	'4903006/dbj|BAA77837.1| 2.0e-33 (AB027458) ACE [Arabidopsis thaliana] >gi_5903086_gb_AAD55644.1_AC008017_17 (AC008017) ACE [Arabidopsis thaliana]'		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29634	Strand	+
Start	10225	End	12169
Name	OJ991111_01.0218.C1.o2.np	Method	AAT/NAP
Start	10225	End	10853
GI	6648159	Score	110
Exons	10225..10275, 10643..10853		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29634	Strand	+
Start	10225	End	12169
Name	OJ991111_01.0218.C1.o3.gp	Method	AAT/GAP
Start	10640	End	10875
GI	none	Score	415
Exons	10640..10875		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29634	Strand	+
Start	10225	End	12169
Name	OJ991111_01.0218.C1.o3.gs	Method	GENSCAN
Start	10689	End	12169
GI	none	Score	1
Exons	10689..10875, 11964..12169		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29634	Strand	+
Start	10225	End	12169
Name	OJ991111_01.0218.C1.o3.np	Method	AAT/NAP
Start	11028	End	12166
GI	6648159	Score	142
Exons	11028..11085, 11964..12166		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29635	Strand	+
Start	13542	End	17092
Name	OJ991111_01.0218.C1.o4.np	Method	AAT/NAP
Start	13542	End	16836
GI	4191773	Score	608
Exons	13542..13768, 13868..13966, 14062..14138, 14385..14430, 14554..14614, 14783..14836, 15006..15090, 15197..15232, 15540..15646, 15732..15842, 16750..16836		
GI Descrip.	(AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29635	Strand	+

Start	13542	End	17092
Name	OJ991111_01.0218.C1.o5.gp	Method	AAT/GAP
Start	13847	End	15233
GI	uC-osf1M202046h12b1	Score	828
Exons	13847..13966, 14062..14138, 14385..14430, 14554..14614, 14783..14836, 15006..15086, 15193..15233		
GI Descrip.	'3135273 3.0e-46 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29635	Strand	+
Start	13542	End	17092
Name	OJ991111_01.0218.C1.o5.gs	Method	GENSCAN
Start	15024	End	16845
GI	none	Score	.93
Exons	15024..15086, 15193..15232, 15540..15646, 15732..15842, 16523..16639, 16750..16845		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29635	Strand	+
Start	13542	End	17092
Name	OJ991111_01.0218.C1.o6.gp	Method	AAT/GAP
Start	15729	End	17092
GI	57414_1.R1084	Score	1078
Exons	15729..15842, 16523..16639, 16750..17092		
GI Descrip.	'3135273 1.0e-10 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29636	Strand	+
Start	23513	End	24056
Name	OJ991111_01.0218.C1.o8.gs	Method	GENSCAN
Start	23513	End	24056
GI	none	Score	.72
Exons	23513..23523, 23807..24056		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29637	Strand	-
Start	6014	End	9491
Name	OJ991111_01.0218.C1.o2.gs	Method	GENSCAN
Start	6014	End	9491
GI	none	Score	.94
Exons	6014..6023, 7346..7422, 7962..8081, 8274..8520, 8780..8892, 9008..9189, 9302..9491		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29638	Strand	-
Start	12106	End	12364
Name	OJ991111_01.0218.C1.o4.gp	Method	AAT/GAP
Start	12106	End	12364
GI	3106760	Score	471
Exons	12106..12364		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29639	Strand	-

Start	13395	End	14678
Name	OJ991111_01.0218.C1.o4.gs	Method	GENSCAN
Start	13395	End	14678
GI	none	Score	.77
Exons	13395..14141, 14406..14582, 14643..14678		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29640	Strand	-
Start	18537	End	21620
Name	OJ991111_01.0218.C1.o5.np	Method	AAT/NAP
Start	18532	End	20525
GI	4415936	Score	358
Exons	18532..18958, 19661..20021, 20142..20525		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29640	Strand	-
Start	18537	End	21620
Name	OJ991111_01.0218.C1.o6.gs	Method	GENSCAN
Start	18537	End	20525
GI	none	Score	.81
Exons	18537..19026, 19624..20525		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29640	Strand	-
Start	18537	End	21620
Name	OJ991111_01.0218.C1.o7.gp	Method	AAT/GAP
Start	18589	End	20102
GI	58733_1.R1084	Score	1646
Exons	18589..19026, 19624..20102		
GI Descrip.	'4415936/gb|AAD20166| 9.0e-17 (AC006418) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29640	Strand	-
Start	18537	End	21620
Name	OJ991111_01.0218.C1.o8.gp	Method	AAT/GAP
Start	20234	End	21410
GI	none	Score	1060
Exons	20234..20550, 21178..21410		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29640	Strand	-
Start	18537	End	21620
Name	OJ991111_01.0218.C1.o7.gs	Method	GENSCAN
Start	21221	End	21620
GI	none	Score	.98
Exons	21221..21343, 21603..21620		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o4.tm	Method	TBLASTX:Maize
Start	1055	End	3398
GI	none	Score	37
Exons	1055..1105, 1102..1167, 1103..1168, 1243..1377, 1247..1378, 3068..3397, 3081..3398		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o4.ts	Method	TBLASTX:Soybean
Start	1108	End	1264
GI	none	Score	213
Exons	1108..1230, 1109..1264		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o3.tc	Method	TBLASTX:Cress
Start	1109	End	1398
GI	none	Score	294
Exons	1109..1387, 1111..1398		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o2.ts	Method	TBLASTX:Soybean
Start	1282	End	4441
GI	none	Score	124
Exons	1282..1377, 1283..1387, 3080..3379, 3084..3401, 3521..3928, 3528..3962, 4367..4441, 4379..4417		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o2.tc	Method	TBLASTX:Cress
Start	3087	End	3392
GI	none	Score	330
Exons	3087..3392, 3098..3376		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	3530	End	4549
GI	none	Score	548
Exons	3530..3928, 3531..3932, 3539..3955, 4367..4504, 4381..4476, 4480..4548, 4481..4549		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o1.tc	Method	TBLASTX:Cress
Start	3641	End	5112
GI	none	Score	245
Exons	3641..3850, 3642..3836, 3819..3878, 3833..3877, 3876..3923, 3906..3962, 4394..4660, 4468..4614, 4681..4767, 4682..4777, 4780..4836, 4781..4834, 4901..4927, 4924..4959, 4925..4960, 5055..5108, 5056..5112		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507

Name	OJ991111_01.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	4448	End	5112
GI	none	Score	198
Exons	4448..4651, 4462..4623, 4535..4624, 4696..4959, 4697..4960, 4703..4960, 5055..5105, 5056..5112		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o2.tm	Method	TBLASTX:Maize
Start	4631	End	4960
GI	none	Score	519
Exons	4631..4960, 4631..4960		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o9.tm	Method	TBLASTX:Maize
Start	7946	End	8667
GI	none	Score	104
Exons	7946..8053, 7947..8084, 7947..8087, 8262..8300, 8262..8303, 8272..8310, 8316..8351, 8317..8352, 8318..8353, 8451..8525, 8463..8528, 8464..8529, 8596..8667		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o4.tc	Method	TBLASTX:Cress
Start	8019	End	9076
GI	none	Score	79
Exons	8019..8084, 8019..8084, 8271..8354, 8271..8354, 8272..8355, 8460..8513, 8461..8529, 8463..8528, 8569..8640, 8570..8647, 8779..8907, 8780..8893, 9005..9076, 9006..9074		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o3.ts	Method	TBLASTX:Soybean
Start	8451	End	9094
GI	none	Score	76
Exons	8451..8534, 8463..8525, 8569..8646, 8779..8802, 8791..8895, 8798..8911, 9005..9094, 9006..9083		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o7.tm	Method	TBLASTX:Maize
Start	10639	End	12151
GI	none	Score	206
Exons	10639..10860, 10639..10860, 10644..10862, 11981..12067, 11994..12062, 11999..12151, 12001..12126, 12005..12067		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	10686	End	12151

GI	none	Score	229
Exons	10686..10865, 10686..10874, 10701..10766, 11941..12009, 11963..12010, 11991..12059, 12001..12138, 12002..12151, 12002..12151, 12014..12079, 12014..12064, 12016..12081		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o8.tm	Method	TBLASTX:Maize
Start	13563	End	14142
GI	none	Score	102
Exons	13563..13631, 13759..13908, 13851..13964, 13853..13939, 13853..13966, 13860..13964, 14058..14138, 14060..14137, 14098..14142, 14099..14140		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o6.tm	Method	TBLASTX:Maize
Start	15804	End	16859
GI	none	Score	65
Exons	15804..15845, 16513..16638, 16520..16642, 16523..16642, 16749..16835, 16749..16859, 16750..16845, 16766..16846		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o3.tm	Method	TBLASTX:Maize
Start	18517	End	20023
GI	none	Score	62
Exons	18517..18582, 18530..18595, 18531..18737, 18630..18740, 18694..18738, 18708..19049, 18732..19013, 18740..19027, 19632..19691, 19645..19689, 19645..19746, 19653..19748, 19745..19801, 19745..19777, 19755..19820, 19756..19821, 19806..20018, 19806..20021, 19810..20019, 19811..20023, 19853..20020		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o5.tm	Method	TBLASTX:Maize
Start	20130	End	20506
GI	none	Score	46
Exons	20130..20162, 20131..20181, 20140..20472, 20163..20483, 20163..20483, 20227..20505, 20228..20506		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o9.gs	Method	GENSCAN
Start	25026	End	30230
GI	none	Score	.61
Exons	25026..25139, 25300..25421, 25541..25662, 25786..26125, 27118..27213, 27314..27421, 27505..27630, 27882..28010, 28137..28272, 28462..28559, 29197..29332, 29539..29680, 29794..30230		

Seq. No.	13888	Seq. ID	OJ991111_01.0218.C1
Gene No.	29641	Strand	-
Start	25026	End	30507
Name	OJ991111_01.0218.C1.o7.np	Method	AAT/NAP
Start	28717	End	30507
GI	4539363	Score	124
Exons	28717..28775, 29909..30234, 30403..30507		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29642	Strand	+
Start	33898	End	34433
Name	OJ991111_01.0218.C2.o5.np	Method	AAT/NAP
Start	33898	End	34433
GI	4678197	Score	133
Exons	33898..34329, 34357..34433		
GI Descrip.	(AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29643	Strand	-
Start	1	End	8487
Name	OJ991111_01.0218.C2.o2.np	Method	AAT/NAP
Start	1	End	8487
GI	5441880	Score	1641
Exons	1..95, 2272..2364, 2966..3052, 6502..6744, 7003..7031, 7476..8487		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29643	Strand	-
Start	1	End	8487
Name	OJ991111_01.0218.C2.o1.gs	Method	GENSCAN
Start	956	End	2160
GI	none	Score	.5
Exons	956..1068, 1464..1688, 1752..2160		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29643	Strand	-
Start	1	End	8487
Name	OJ991111_01.0218.C2.o1.np	Method	AAT/NAP
Start	1738	End	5605
GI	5441880	Score	153
Exons	1738..1917, 5536..5605		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29643	Strand	-
Start	1	End	8487
Name	OJ991111_01.0218.C2.o1.gp	Method	AAT/GAP
Start	3224	End	3334
GI	uC-osflcyp088b12b1	Score	159
Exons	3224..3334		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29644	Strand	-
Start	11007	End	26526
Name	OJ991111_01.0218.C2.o2.gp	Method	AAT/GAP
Start	9664	End	9764
GI	none	Score	169
Exons	9664..9764		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29644	Strand	-
Start	11007	End	26526
Name	OJ991111_01.0218.C2.o4.gs	Method	GENSCAN
Start	11007	End	16431
GI	none	Score	.61
Exons	11007..11090, 11245..11334, 11604..11896, 11985..12141, 13066..13196, 13301..13589, 13862..14999, 15789..15903, 16106..16226, 16267..16431		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29644	Strand	-
Start	11007	End	26526
Name	OJ991111_01.0218.C2.o3.np	Method	AAT/NAP
Start	11251	End	26526
GI	5123569	Score	1252
Exons	11251..11345, 11437..11497, 11604..11896, 11985..12141, 12287..12637, 13066..13196, 13301..13628, 13862..14097, 14309..14649, 14710..14908, 26337..26526		
GI Descrip.	(AL079344) putative protein [Arabidopsis thaliana]		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29644	Strand	-
Start	11007	End	26526
Name	OJ991111_01.0218.C2.o5.gs	Method	GENSCAN
Start	20267	End	22015
GI	none	Score	.5
Exons	20267..20334, 20449..20610, 21401..21445, 21468..21911, 22003..22015		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29644	Strand	-
Start	11007	End	26526
Name	OJ991111_01.0218.C2.o6.gs	Method	GENSCAN
Start	22761	End	25808
GI	none	Score	.75
Exons	22761..25808		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o6.tm	Method	TBLASTX:Maize
Start	5422	End	14098
GI	none	Score	117
Exons	5422..5550, 13284..13517, 13297..13518, 13940..14098		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	7249	End	7624
GI	none	Score	66
Exons	7249..7422, 7260..7400, 7355..7423, 7447..7623, 7472..7624		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	7324	End	7920
GI	none	Score	224
Exons	7324..7395, 7442..7915, 7453..7920		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	11432	End	12626
GI	none	Score	183
Exons	11432..11494, 11598..11897, 11620..11898, 11974..12141, 12278..12532, 12387..12431, 12488..12625, 12498..12626		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	11578	End	12430
GI	none	Score	180
Exons	11578..11892, 11598..11897, 11603..11911, 11604..11897, 11614..11898, 11956..12141, 11969..12142, 12293..12430		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o4.tm	Method	TBLASTX:Maize
Start	11583	End	12655
GI	none	Score	157
Exons	11583..11897, 11614..11898, 11956..12093, 12527..12619, 12623..12655		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	11725	End	12396
GI	none	Score	262
Exons	11725..11898, 11725..11886, 11727..11897, 11967..12062, 11983..12147, 11986..12138, 12287..12391, 12287..12388, 12319..12396		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o2.ts	Method	TBLASTX:Soybean

Start	21411	End	21694
GI	none	Score	55
Exons	21411..21500, 21421..21534, 21469..21693, 21481..21681, 21533..21694		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	21507	End	22881
GI	none	Score	113
Exons	21507..21689, 21520..21693, 21533..21694, 21569..21703, 21795..22031, 21804..22031, 21805..22032, 21805..22032, 22771..22881, 22794..22880		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o3.tw	Method	TBLASTX:Wheat
Start	22812	End	23231
GI	none	Score	97
Exons	22812..22910, 22825..22908, 22884..23096, 22906..23094, 23097..23186, 23187..23231		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o5.tm	Method	TBLASTX:Maize
Start	23133	End	23609
GI	none	Score	75
Exons	23133..23177, 23187..23231, 23283..23477, 23331..23471, 23335..23478, 23502..23609, 23503..23559		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	23274	End	23642
GI	none	Score	65
Exons	23274..23366, 23296..23367, 23394..23477, 23502..23642, 23523..23633		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o7.gs	Method	GENSCAN
Start	27045	End	33234
GI	none	Score	.54
Exons	27045..27149, 27678..27771, 29663..29775, 31147..31224, 31696..31706, 32077..32289, 32376..32667, 32919..33234		

Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o3.gp	Method	AAT/GAP
Start	29216	End	29294
GI	none	Score	113

Exons	29216..29294		
Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o4.gp	Method	AAT/GAP
Start	29289	End	29774
GI	none	Score	941
Exons	29289..29774		
Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o4.np	Method	AAT/NAP
Start	29598	End	34433
GI	4455323	Score	636
Exons	29598..29775, 29860..29937, 31147..31224, 31308..31410, 31494..31612, 31696..31870, 31979..32076, 32168..32289, 32376..32670, 34397..34433		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		
Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o2.tc	Method	TBLASTX:Cress
Start	29608	End	31882
GI	none	Score	88
Exons	29608..29775, 29636..29794, 31484..31621, 31533..31613, 31533..31622, 31708..31881, 31709..31882		
Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	29675	End	32683
GI	none	Score	95
Exons	29675..29776, 29677..29811, 29866..29943, 29904..29942, 31144..31236, 31146..31241, 31323..31427, 31345..31428, 31484..31615, 31485..31613, 31552..31614, 31708..31860, 31708..31869, 31709..31873, 31975..32076, 31976..32077, 31982..32059, 31987..32076, 32126..32290, 32158..32286, 32163..32303, 32345..32518, 32373..32510, 32374..32535, 32545..32652, 32548..32631, 32561..32683, 32567..32668		
Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433
Name	OJ991111_01.0218.C2.o5.gp	Method	AAT/GAP
Start	31767	End	32216
GI	uC-osflcyp050d05b1	Score	346
Exons	31767..31870, 31979..32076, 32168..32216		
GI Descrip.	'4455323/emb|CAB36783.1| 4.0e-09 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		
Seq. No.	13889	Seq. ID	OJ991111_01.0218.C2
Gene No.	29645	Strand	-
Start	27045	End	34433

Name	OJ991111_01.0218.C2.o6.gp	Method	AAT/GAP
Start	31818	End	32256
GI	uC-osflcyp050d05b1	Score	396
Exons	31818..31870, 31979..32076, 32168..32256		
GI Descrip.	'4455323/emb|CAB36783.1| 4.0e-09 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29646	Strand	+
Start	1	End	2610
Name	OJ991111_01.0218.C3.o1.np	Method	AAT/NAP
Start	1	End	2607
GI	2961349	Score	1538
Exons	1..489, 1015..2607		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29646	Strand	+
Start	1	End	2610
Name	OJ991111_01.0218.C3.o1.gs	Method	GENSCAN
Start	190	End	2610
GI	none	Score	.91
Exons	190..2610		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o3.tw	Method	TBLASTX:Wheat
Start	1	End	450
GI	none	Score	179
Exons	1..228, 6..224, 246..308, 247..333, 328..450		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o5.tm	Method	TBLASTX:Maize
Start	1	End	498
GI	none	Score	278
Exons	1..498, 33..215		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o5.ts	Method	TBLASTX:Soybean
Start	7	End	468
GI	none	Score	278
Exons	7..468, 81..311		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o4.tc	Method	TBLASTX:Cress
Start	22	End	471
GI	none	Score	192
Exons	22..261, 48..197, 292..471		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o2.ts	Method	TBLASTX:Soybean
Start	1065	End	1557
GI	5509260	Score	424
Exons	1065..1355, 1066..1557, 1277..1444, 1401..1553		
GI Descrip.	-		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o3.tc	Method	TBLASTX:Cress
Start	1192	End	1461
GI	none	Score	287
Exons	1192..1461, 1206..1373, 1258..1452		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	1242	End	1788
GI	none	Score	296
Exons	1242..1469, 1243..1587, 1579..1788		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	1242	End	1674
GI	none	Score	358
Exons	1242..1562, 1243..1674		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o5.tc	Method	TBLASTX:Cress
Start	1606	End	1884
GI	none	Score	189
Exons	1606..1884		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o2.tw	Method	TBLASTX:Wheat
Start	1798	End	2184
GI	none	Score	98
Exons	1798..1908, 1938..2069, 1939..2184, 2140..2178		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	1930	End	2634
GI	none	Score	306
Exons	1930..2286, 2184..2336, 2367..2444, 2368..2634		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o1.ts	Method	TBLASTX:Soybean
Start	1948	End	2643
GI	none	Score	395
Exons	1948..2295, 1950..2120, 2181..2450, 2356..2643, 2497..2643		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o2.gs	Method	GENSCAN
Start	2944	End	7853
GI	none	Score	.85
Exons	2944..2952, 3073..3255, 4008..4172, 4329..4442, 4863..4979, 5063..5167, 5447..5600, 5738..5831, 5948..6134, 6270..6372, 7420..7565, 7644..7853		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o3.tm	Method	TBLASTX:Maize
Start	3072	End	5806
GI	none	Score	87
Exons	3072..3263, 3073..3264, 3073..3264, 3074..3271, 4324..4443, 4329..4448, 4330..4443, 4860..4979, 4861..4974, 5045..5164, 5060..5167, 5061..5168, 5061..5192, 5062..5169, 5405..5599, 5445..5597, 5734..5805, 5735..5806		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o2.np	Method	AAT/NAP
Start	3073	End	7841
GI	4455323	Score	1208
Exons	3073..3255, 4329..4442, 4863..4979, 5447..5611, 5862..6134, 6270..6390, 7393..7579, 7640..7841		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o6.ts	Method	TBLASTX:Soybean
Start	3073	End	3289
GI	none	Score	102
Exons	3073..3246, 3073..3288, 3098..3289		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o1.tc	Method	TBLASTX:Cress
Start	4329	End	5599
GI	none	Score	97
Exons	4329..4448, 4330..4443, 4860..4979, 4861..4977, 5037..5168, 5052..5150, 5060..5167, 5405..5599, 5439..5597		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3

Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o3.ts	Method	TBLASTX:Soybean
Start	4855	End	5521
GI	none	Score	85
Exons	4855..4977, 4860..4979, 5037..5168, 5053..5148, 5060..5167, 5405..5521		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o7.ts	Method	TBLASTX:Soybean
Start	5791	End	6096
GI	none	Score	47
Exons	5791..5832, 5798..5833, 5946..6095, 5947..6096		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o6.tm	Method	TBLASTX:Maize
Start	5943	End	6095
GI	none	Score	138
Exons	5943..6095, 5944..6093		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o4.ts	Method	TBLASTX:Soybean
Start	6096	End	7832
GI	none	Score	115
Exons	6096..6137, 6260..6373, 6265..6381, 6267..6383, 6270..6383, 7422..7562, 7647..7832		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o2.tc	Method	TBLASTX:Cress
Start	6294	End	7832
GI	none	Score	78
Exons	6294..6383, 6295..6384, 7422..7568, 7647..7832		

Seq. No.	13890	Seq. ID	OJ991111_01.0218.C3
Gene No.	29647	Strand	-
Start	2944	End	7853
Name	OJ991111_01.0218.C3.o4.tm	Method	TBLASTX:Maize
Start	7422	End	7832
GI	none	Score	216
Exons	7422..7568, 7647..7832		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29648	Strand	+
Start	11058	End	11531
Name	OJ991111_01.0218.C4.o2.gs	Method	GENSCAN
Start	11058	End	11531
GI	none	Score	.82
Exons	11058..11531		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29649	Strand	+
Start	12905	End	15027
Name	OJ991111_01.0218.C4.o3.gs	Method	GENSCAN
Start	12905	End	15027
GI	none	Score	.89
Exons	12905..13019, 14423..14709, 14845..15027		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o1.gp	Method	AAT/GAP
Start	436	End	887
GI	none	Score	890
Exons	436..887		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o4.tm	Method	TBLASTX:Maize
Start	734	End	5856
GI	none	Score	102
Exons	734..817, 5037..5183, 5062..5181, 5067..5186, 5567..5608, 5568..5609, 5614..5685, 5624..5677, 5754..5855, 5769..5855, 5770..5856		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o1.gs	Method	GENSCAN
Start	737	End	7799
GI	none	Score	.83
Exons	737..919, 2047..2124, 2246..2313, 2406..2520, 2662..2839, 2975..3072, 3162..3283, 3381..3666, 4064..4246, 5013..5180, 5772..5876, 6019..6172, 6379..6427, 6540..6726, 7332..7508, 7572..7799		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o1.np	Method	AAT/NAP
Start	743	End	7769
GI	4455323	Score	1881
Exons	743..919, 1013..1090, 2047..2160, 2241..2313, 2406..2520, 2662..2839, 2975..3072, 3162..3283, 3381..3666, 4064..4246, 5067..5180, 5570..5685, 6019..6172, 6433..6726, 6857..6999, 7332..7479, 7556..7769		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o3.tc	Method	TBLASTX:Cress
Start	749	End	3242
GI	none	Score	63
Exons	749..844, 752..919, 777..920, 2402..2521, 2404..2523, 2662..2850, 2666..2839, 3132..3242		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	821	End	4262
GI	none	Score	70
Exons	821..919, 821..919, 822..920, 1019..1099, 1031..1096, 2045..2125, 2047..2124, 2218..2304, 2243..2293, 2244..2327, 2402..2521, 2403..2522, 2404..2574, 2407..2523, 2646..2837, 2661..2834, 2662..2835, 2662..2838, 2663..2842, 2972..3073, 2983..3099, 3152..3280, 3153..3284, 3157..3291, 3375..3527, 3377..3499, 3379..3534, 3473..3682, 3547..3651, 4064..4252, 4064..4252, 4065..4262		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o3.ts	Method	TBLASTX:Soybean
Start	2663	End	4280
GI	none	Score	96
Exons	2663..2836, 2665..2850, 3159..3284, 3377..3517, 3379..3522, 3553..3651, 3578..3661, 4064..4237, 4064..4279, 4089..4280		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o4.tc	Method	TBLASTX:Cress
Start	3377	End	4129
GI	none	Score	65
Exons	3377..3511, 3379..3498, 3559..3651, 3569..3670, 4064..4129		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o2.tc	Method	TBLASTX:Cress
Start	5061	End	6186
GI	none	Score	101
Exons	5061..5183, 5068..5181, 5567..5605, 5614..5685, 5746..5877, 5769..5873, 6011..6169, 6016..6177, 6022..6186		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o2.ts	Method	TBLASTX:Soybean
Start	5567	End	6093
GI	none	Score	53
Exons	5567..5605, 5568..5609, 5614..5685, 5623..5685, 5746..5877, 5769..5873, 6016..6093		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	5856	End	6411
GI	none	Score	37
Exons	5856..5876, 6008..6199, 6010..6192, 6311..6409, 6311..6409,		

6312..6410, 6315..6410, 6316..6411

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o5.tm	Method	TBLASTX:Maize
Start	6519	End	6687
GI	none	Score	151
Exons	6519..6620, 6536..6685, 6538..6687		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	6688	End	7766
GI	none	Score	120
Exons	6688..6729, 6849..6965, 6857..6961, 7334..7474, 7575..7766		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	6881	End	7766
GI	none	Score	74
Exons	6881..6961, 6882..6962, 7334..7480, 7575..7766		

Seq. No.	13891	Seq. ID	OJ991111_01.0218.C4
Gene No.	29650	Strand	-
Start	737	End	7799
Name	OJ991111_01.0218.C4.o3.tm	Method	TBLASTX:Maize
Start	7334	End	7766
GI	none	Score	67
Exons	7334..7441, 7334..7480, 7575..7766		

Seq. No.	13892	Seq. ID	OJ991111_01.0218.C5
Gene No.	29651	Strand	+
Start	378	End	486
Name	OJ991111_01.0218.C5.o1.gs	Method	GENSCAN
Start	378	End	486
GI	none	Score	.61
Exons	378..486		

Seq. No.	13892	Seq. ID	OJ991111_01.0218.C5
Gene No.	29652	Strand	-
Start	1753	End	2052
Name	OJ991111_01.0218.C5.o2.gs	Method	GENSCAN
Start	1753	End	2052
GI	none	Score	.87
Exons	1753..2052		

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29653	Strand	+
Start	350	End	7666
Name	OJ991111_01.0218.C7.o1.gs	Method	GENSCAN
Start	350	End	7666
GI	none	Score	.68
Exons	350..477, 1148..1184, 2083..2263, 2390..2581, 3606..3723,		

4770..5250, 5271..5429, 5905..6169, 7459..7666

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29654	Strand	+
Start	8279	End	8786
Name	OJ991111_01.0218.C7.o1.gp	Method	AAT/GAP
Start	8279	End	8786
GI	60270_1.R1084	Score	944
Exons	8279..8786		
GI Descrip.	'3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]'		

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29655	Strand	+
Start	15199	End	15398
Name	OJ991111_01.0218.C7.o4.gp	Method	AAT/GAP
Start	15199	End	15398
GI	3106969	Score	372
Exons	15199..15398		

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29656	Strand	-
Start	8233	End	16536
Name	OJ991111_01.0218.C7.o3.tm	Method	TBLASTX:Maize
Start	5969	End	7651
GI	none	Score	192
Exons	5969..5998, 6062..6190, 6084..6188, 6086..6214, 7536..7622, 7544..7630, 7544..7651		

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29656	Strand	-
Start	8233	End	16536
Name	OJ991111_01.0218.C7.o2.gs	Method	GENSCAN
Start	8233	End	15188
GI	none	Score	.75
Exons	8233..8527, 9591..9681, 10159..10297, 10597..10630, 11368..11722, 12885..12927, 13054..13151, 13288..13372, 13531..13641, 14420..14494, 14630..14776, 14855..14971, 15071..15188		

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29656	Strand	-
Start	8233	End	16536
Name	OJ991111_01.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	9304	End	13114
GI	none	Score	81
Exons	9304..9390, 9493..9513, 9642..9704, 9766..9828, 12672..12752, 12673..12762, 12674..12754, 12835..12927, 12836..12928, 12837..12929, 13054..13113, 13055..13114		

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29656	Strand	-
Start	8233	End	16536
Name	OJ991111_01.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	9989	End	14047
GI	none	Score	42
Exons	9989..10063, 10181..10204, 10202..10228, 13115..13168,		

13288..13350, 13290..13373, 13292..13375, 13293..13373,
13531..13647, 13533..13643, 13544..13651, 13772..13846,
13775..13843, 13783..13851, 13963..14046, 13963..14046,
13973..14047

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29656	Strand	-
Start	8233	End	16536
Name	OJ991111_01.0218.C7.o1.np	Method	AAT/NAP
Start	12700	End	16536
GI	3348077	Score	786
Exons	12700..12749, 12835..12927, 13054..13151, 13288..13372, 13531..13637, 13779..13840, 13962..14080, 14289..14357, 14420..14494, 14630..14776, 14855..14971, 15071..15188, 16286..16536		
GI Descrip.	(AF078080) isochorismate synthase [Arabidopsis thaliana]		

Seq. No.	13893	Seq. ID	OJ991111_01.0218.C7
Gene No.	29656	Strand	-
Start	8233	End	16536
Name	OJ991111_01.0218.C7.o3.gp	Method	AAT/GAP
Start	12944	End	13696
GI	2427264	Score	824
Exons	12944..13151, 13288..13372, 13531..13696		
GI Descrip.	3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]		

Seq. No.	13894	Seq. ID	OJ991111_01.0218.C8
Gene No.	29657	Strand	-
Start	97	End	247
Name	OJ991111_01.0218.C8.o1.gs	Method	GENSCAN
Start	97	End	247
GI	none	Score	.71
Exons	97..247		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29658	Strand	+
Start	1	End	13101
Name	OJ991101_03.0218.C1.o2.np	Method	AAT/NAP
Start	1	End	3172
GI	5852180	Score	405
Exons	1..55, 1705..1792, 2798..3172		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29658	Strand	+
Start	1	End	13101
Name	OJ991101_03.0218.C1.o3.np	Method	AAT/NAP
Start	390	End	10673
GI	5852180	Score	540
Exons	390..431, 3970..4022, 5003..5120, 5172..5588, 10577..10673		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29658	Strand	+
Start	1	End	13101
Name	OJ991101_03.0218.C1.o1.gp	Method	AAT/GAP

Start	2562	End	2632
GI	uC-osroM202024h08a1	Score	84
Exons	2562..2632		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29658	Strand	+
Start	1	End	13101
Name	OJ991101_03.0218.C1.o5.np	Method	AAT/NAP
Start	10281	End	11437
GI	4097938	Score	1447
Exons	10281..10356, 10506..11437		
GI Descrip.	(U72250) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29658	Strand	+
Start	1	End	13101
Name	OJ991101_03.0218.C1.o3.gs	Method	GENSCAN
Start	10284	End	13101
GI	none	Score	.76
Exons	10284..10356, 10509..11439, 12702..12919, 13010..13101		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29658	Strand	+
Start	1	End	13101
Name	OJ991101_03.0218.C1.o3.gp	Method	AAT/GAP
Start	10320	End	11439
GI	807_1.R1084	Score	1576
Exons	10320..10355, 10504..11439		
GI Descrip.	'2623783 0.0e+00 (AF030166) glucanase [Oryza sativa]'		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29659	Strand	-
Start	1	End	4252
Name	OJ991101_03.0218.C1.o1.np	Method	AAT/NAP
Start	1	End	583
GI	4512229	Score	889
Exons	1..583		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29659	Strand	-
Start	1	End	4252
Name	OJ991101_03.0218.C1.o1.gs	Method	GENSCAN
Start	173	End	4074
GI	none	Score	.48
Exons	173..583, 2869..3090, 3096..3193, 3999..4074		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29659	Strand	-
Start	1	End	4252
Name	OJ991101_03.0218.C1.o2.gp	Method	AAT/GAP
Start	3925	End	4252
GI	uC-osflcyp033a04b1	Score	579
Exons	3925..4252		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29660	Strand	-
Start	5415	End	7934
Name	OJ991101_03.0218.C1.o4.np	Method	AAT/NAP
Start	5415	End	7934
GI	6907086	Score	919
Exons	5415..5460, 7012..7090, 7152..7934		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29661	Strand	
Start	10465	End	11441
Name	OJ991101_03.0218.C1.o2.tm	Method	TBLASTX:Maize
Start	10465	End	10936
GI	none	Score	230
Exons	10465..10680, 10496..10681, 10682..10936, 10780..10926		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29661	Strand	
Start	10465	End	11441
Name	OJ991101_03.0218.C1.o1.ts	Method	TBLASTX:Soybean
Start	10495	End	11437
GI	none	Score	169
Exons	10495..10677, 10502..10678, 10733..10813, 10780..10815, 10876..10953, 10877..10951, 10958..11080, 10984..11079, 11108..11317, 11206..11250, 11317..11424, 11318..11437		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29661	Strand	
Start	10465	End	11441
Name	OJ991101_03.0218.C1.o1.tc	Method	TBLASTX:Cress
Start	10516	End	11437
GI	none	Score	157
Exons	10516..10677, 10517..10690, 10733..10876, 10883..10963, 10958..11098, 11102..11437, 11206..11319, 11327..11365		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29661	Strand	
Start	10465	End	11441
Name	OJ991101_03.0218.C1.o2.tw	Method	TBLASTX:Wheat
Start	10601	End	10972
GI	none	Score	62
Exons	10601..10672, 10601..10690, 10694..10768, 10757..10903, 10783..10917, 10882..10965, 10883..10972		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29661	Strand	
Start	10465	End	11441
Name	OJ991101_03.0218.C1.o1.tm	Method	TBLASTX:Maize
Start	11045	End	11441
GI	none	Score	593
Exons	11045..11437, 11047..11433, 11253..11435, 11301..11441		

Seq. No.	13895	Seq. ID	OJ991101_03.0218.C1
Gene No.	29661	Strand	

Start	10465	End	11441
Name	OJ991101_03.0218.C1.o1.tw	Method	TBLASTX:Wheat
Start	11156	End	11440
GI	none	Score	360
Exons	11156..11440, 11206..11436, 11256..11438		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29662	Strand	+
Start	157	End	1221
Name	OJ991101_03.0218.C2.o1.gs	Method	GENSCAN
Start	157	End	1221
GI	none	Score	.73
Exons	157..226, 1192..1221		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29663	Strand	+
Start	1705	End	2884
Name	OJ991101_03.0218.C2.o1.np	Method	AAT/NAP
Start	1705	End	2881
GI	4097940	Score	1276
Exons	1705..1770, 1940..2881		
GI Descrip.	(U72251) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29663	Strand	+
Start	1705	End	2884
Name	OJ991101_03.0218.C2.o2.gs	Method	GENSCAN
Start	1705	End	2884
GI	none	Score	1
Exons	1705..1777, 1944..2884		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29664	Strand	+
Start	6162	End	6679
Name	OJ991101_03.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	1936	End	6648
GI	none	Score	186
Exons	1936..2127, 1940..2158, 2201..2251, 2255..2308, 2315..2488, 2362..2487, 2567..2761, 2569..2679, 2761..2862, 2762..2881, 6361..6540, 6372..6509, 6607..6648, 6612..6644		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29664	Strand	+
Start	6162	End	6679
Name	OJ991101_03.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	1939	End	6678
GI	none	Score	182
Exons	1939..2121, 1940..2122, 2192..2368, 2225..2335, 6335..6454, 6361..6534, 6361..6495, 6565..6606, 6604..6678, 6612..6677		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29664	Strand	+
Start	6162	End	6679
Name	OJ991101_03.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	1954	End	6648
GI	none	Score	193
Exons	1954..2184, 1955..2194, 2194..2235, 2198..2308, 2315..2488,		

2362..2484, 2510..2881, 2515..2763, 6375..6509, 6376..6549, 6609..6647, 6610..6648

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29664	Strand	+
Start	6162	End	6679
Name	OJ991101_03.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	1982	End	6657
GI	none	Score	259
Exons	1982..2236, 1987..2235, 2237..2338, 2237..2335, 2242..2337, 6403..6534, 6403..6495, 6408..6512, 6561..6647, 6565..6648, 6565..6657		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29664	Strand	+
Start	6162	End	6679
Name	OJ991101_03.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	2567	End	2944
GI	none	Score	276
Exons	2567..2944, 2567..2650, 2578..2844, 2723..2935		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29664	Strand	+
Start	6162	End	6679
Name	OJ991101_03.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	2603	End	2884
GI	none	Score	286
Exons	2603..2884, 2608..2880		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29664	Strand	+
Start	6162	End	6679
Name	OJ991101_03.0218.C2.o2.np	Method	AAT/NAP
Start	6162	End	6679
GI	4741846	Score	275
Exons	6162..6234, 6368..6679		
GI Descrip.	(AF112965) beta-1,3-glucanase precursor [Triticum aestivum]		

Seq. No.	13896	Seq. ID	OJ991101_03.0218.C2
Gene No.	29664	Strand	+
Start	6162	End	6679
Name	OJ991101_03.0218.C2.o4.gs	Method	GENSCAN
Start	6162	End	6645
GI	none	Score	.45
Exons	6162..6234, 6281..6645		

Seq. No.	13897	Seq. ID	OJ991101_03.0218.C3
Gene No.	29665	Strand	+
Start	1	End	301
Name	OJ991101_03.0218.C3.o1.np	Method	AAT/NAP
Start	1	End	292
GI	3757682	Score	389
Exons	1..292		
GI Descrip.	(Y18212) glucan endo-1,3-beta-D-glucosidase [Triticum aestivum]		

Seq. No.	13897	Seq. ID	OJ991101_03.0218.C3
Gene No.	29665	Strand	+

Start	1	End	301
Name	OJ991101_03.0218.C3.o1.gs	Method	GENSCAN
Start	8	End	301
GI	none	Score	.97
Exons	8..301		

Seq. No.	13897	Seq. ID	OJ991101_03.0218.C3
Gene No.	29666	Strand	+
Start	1428	End	2917
Name	OJ991101_03.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	291
GI	none	Score	346
Exons	1..291, 2..289, 121..291		

Seq. No.	13897	Seq. ID	OJ991101_03.0218.C3
Gene No.	29666	Strand	+
Start	1428	End	2917
Name	OJ991101_03.0218.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	291
GI	none	Score	151
Exons	1..99, 2..166, 167..289, 169..291		

Seq. No.	13897	Seq. ID	OJ991101_03.0218.C3
Gene No.	29666	Strand	+
Start	1428	End	2917
Name	OJ991101_03.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	8	End	289
GI	none	Score	347
Exons	8..289, 16..273		

Seq. No.	13897	Seq. ID	OJ991101_03.0218.C3
Gene No.	29666	Strand	+
Start	1428	End	2917
Name	OJ991101_03.0218.C3.o2.gs	Method	GENSCAN
Start	1428	End	2917
GI	none	Score	.53
Exons	1428..1462, 2239..2371, 2457..2604, 2697..2917		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29667	Strand	+
Start	101	End	752
Name	OJ991101_03.0218.C4.o1.gs	Method	GENSCAN
Start	101	End	752
GI	none	Score	.45
Exons	101..174, 681..752		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29668	Strand	+
Start	1862	End	5021
Name	OJ991101_03.0218.C4.o3.np	Method	AAT/NAP
Start	1862	End	4439
GI	2702268	Score	118
Exons	1862..1886, 4257..4439		
GI Descrip.	(AC003033) putative glucanse [Arabidopsis thaliana]		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29668	Strand	+

Start	1862	End	5021
Name	OJ991101_03.0218.C4.o3.gs	Method	GENSCAN
Start	3650	End	5021
GI	none	Score	.58
Exons	3650..3731, 4225..4558, 5015..5021		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29669	Strand	-
Start	1	End	331
Name	OJ991101_03.0218.C4.o1.np	Method	AAT/NAP
Start	1	End	331
GI	6069653	Score	154
Exons	1..115, 167..331		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29670	Strand	-
Start	730	End	3674
Name	OJ991101_03.0218.C4.o2.np	Method	AAT/NAP
Start	730	End	3674
GI	4680186	Score	189
Exons	730..802, 1419..1552, 2129..2296, 3576..3674		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o4.tm	Method	TBLASTX:Maize
Start	4229	End	4388
GI	none	Score	223
Exons	4229..4378, 4230..4388		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o4.gs	Method	GENSCAN
Start	5378	End	6998
GI	none	Score	.93
Exons	5378..5590, 5740..5914, 5998..6262, 6430..6654, 6728..6998		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o4.np	Method	AAT/NAP
Start	5378	End	6961
GI	6143862	Score	1078
Exons	5378..5590, 5740..5914, 5998..6262, 6433..6654, 6728..6961		
GI Descrip.	(AC010927) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o3.tm	Method	TBLASTX:Maize
Start	5378	End	5542
GI	none	Score	130
Exons	5378..5542, 5382..5537		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	5863	End	6117
GI	none	Score	75
Exons	5863..5916, 5864..5917, 5996..6109, 5996..6112, 5997..6116, 5998..6117		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o5.np	Method	AAT/NAP
Start	6428	End	22417
GI	1076211	Score	150
Exons	6428..6483, 7851..7961, 10461..10650, 12497..12643, 14968..15077, 15492..15535, 20084..20225, 22349..22417		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o2.ts	Method	TBLASTX:Soybean
Start	6497	End	6896
GI	none	Score	132
Exons	6497..6664, 6522..6665, 6729..6896, 6730..6858		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o5.gs	Method	GENSCAN
Start	7863	End	10851
GI	none	Score	.49
Exons	7863..8155, 8188..8323, 9144..9464, 9782..10496, 10532..10851		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o6.gs	Method	GENSCAN
Start	11722	End	12876
GI	none	Score	1
Exons	11722..12876		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o7.gs	Method	GENSCAN
Start	14092	End	15074
GI	none	Score	.95
Exons	14092..14373, 14427..15074		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417

Name	OJ991101_03.0218.C4.o8.gs	Method	GENSCAN
Start	15584	End	16906
GI	none	Score	.99
Exons	15584..16906		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o1.gp	Method	AAT/GAP
Start	18651	End	18970
GI	2431181	Score	615
Exons	18651..18970		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	18913	End	19839
GI	none	Score	209
Exons	18913..19476, 18947..19279, 19313..19474, 19510..19590, 19597..19623, 19663..19839		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	18916	End	19845
GI	none	Score	124
Exons	18916..19476, 18941..19162, 19217..19477, 19558..19599, 19663..19845		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o6.np	Method	AAT/NAP
Start	18916	End	22324
GI	100591	Score	1064
Exons	18916..19850, 22252..22324		
GI Descrip.	licheninase (EC 3.2.1.73) I precursor, splice form a - barley gi|18984|emb|CAA40094| (X56775) unnamed protein product [Hordeum vulgare] gi|295806|emb|CAA36801| (X52572) (1-3,1-4)-beta-D-glucanase [Hordeum vulgare] gi|4688930|emb|CAB41401.1| (X56260) lichenase [Hordeum vulgare]		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	18919	End	19306
GI	none	Score	106
Exons	18919..19023, 18919..19023, 19033..19305, 19034..19306		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	18982	End	19197

GI	none	Score	58
Exons	18982..19026, 18982..19023, 19033..19197, 19034..19162		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o5.tm	Method	TBLASTX:Maize
Start	19456	End	19854
GI	none	Score	135
Exons	19456..19599, 19672..19854		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o2.gp	Method	AAT/GAP
Start	19652	End	19900
GI	1631904	Score	405
Exons	19652..19900		

Seq. No.	13898	Seq. ID	OJ991101_03.0218.C4
Gene No.	29671	Strand	-
Start	5378	End	22417
Name	OJ991101_03.0218.C4.o10.gs	Method	GENSCAN
Start	20387	End	22321
GI	none	Score	.67
Exons	20387..20491, 20988..21092, 21797..21916, 22077..22165, 22252..22321		

Seq. No.	13899	Seq. ID	OJ991101_03.0218.C5
Gene No.	29672	Strand	+
Start	1472	End	2195
Name	OJ991101_03.0218.C5.o1.np	Method	AAT/NAP
Start	1472	End	2195
GI	5922636	Score	194
Exons	1472..1547, 2042..2195		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13899	Seq. ID	OJ991101_03.0218.C5
Gene No.	29672	Strand	+
Start	1472	End	2195
Name	OJ991101_03.0218.C5.o1.gp	Method	AAT/GAP
Start	2072	End	2195
GI	5816533	Score	193
Exons	2072..2195		
GI Descrip.	5922636/dbj|BAA84637.1| 1.0e-14 (AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016869_dbj_BAA85212.1_ (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13900	Seq. ID	OJ991101_03.0218.C6
Gene No.	29673	Strand	+

Start	208	End	1039
Name	OJ991101_03.0218.C6.o1.gs	Method	GENSCAN
Start	208	End	1039
GI	none	Score	.7
Exons	208..372, 629..1039		

Seq. No.	13901	Seq. ID	OJ991101_03.0218.C7
Gene No.	29674	Strand	-
Start	1	End	2668
Name	OJ991101_03.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	1784
GI	6907088	Score	330
Exons	1..365, 1227..1470, 1648..1784		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13901	Seq. ID	OJ991101_03.0218.C7
Gene No.	29674	Strand	-
Start	1	End	2668
Name	OJ991101_03.0218.C7.o2.np	Method	AAT/NAP
Start	1	End	2467
GI	5042454	Score	84
Exons	1..322, 2199..2467		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13901	Seq. ID	OJ991101_03.0218.C7
Gene No.	29674	Strand	-
Start	1	End	2668
Name	OJ991101_03.0218.C7.o1.gs	Method	GENSCAN
Start	61	End	382
GI	none	Score	.98
Exons	61..382		

Seq. No.	13901	Seq. ID	OJ991101_03.0218.C7
Gene No.	29674	Strand	-
Start	1	End	2668
Name	OJ991101_03.0218.C7.o3.np	Method	AAT/NAP
Start	2363	End	2668
GI	5042454	Score	73
Exons	2363..2418, 2644..2668		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29675	Strand	+
Start	192	End	269
Name	OJ991101_03.0218.C8.o1.gs	Method	GENSCAN
Start	192	End	269
GI	none	Score	.51
Exons	192..269		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29676	Strand	+
Start	871	End	4098
Name	OJ991101_03.0218.C8.o1.np	Method	AAT/NAP
Start	871	End	4095
GI	6907089	Score	4133
Exons	871..2132, 2226..4095		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29676	Strand	+
Start	871	End	4098
Name	OJ991101_03.0218.C8.o2.gs	Method	GENSCAN
Start	871	End	4098
GI	none	Score	.98
Exons	871..4098		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29677	Strand	+
Start	14335	End	20701
Name	OJ991101_03.0218.C8.o4.gs	Method	GENSCAN
Start	14335	End	20701
GI	none	Score	.95
Exons	14335..14402, 15934..15979, 16127..20701		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29677	Strand	+
Start	14335	End	20701
Name	OJ991101_03.0218.C8.o3.np	Method	AAT/NAP
Start	16124	End	20698
GI	4680179	Score	6604
Exons	16124..20698		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o2.np	Method	AAT/NAP
Start	4717	End	10363
GI	6498441	Score	6790
Exons	4717..4998, 5092..6489, 6661..7143, 7336..7576, 7751..7885, 8069..8442, 8506..8969, 9300..10363		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	5083	End	20320
GI	none	Score	669
Exons	5083..5199, 5254..5412, 19694..20320, 19750..20319		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o12.tw	Method	TBLASTX:Wheat
Start	5455	End	5844
GI	none	Score	66
Exons	5455..5577, 5695..5844, 5696..5821		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706

Name	OJ991101_03.0218.C8.o6.tm	Method	TBLASTX:Maize
Start	5524	End	5847
GI	none	Score	194
Exons	5524..5847, 5537..5830		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o4.tw	Method	TBLASTX:Wheat
Start	5578	End	19687
GI	none	Score	586
Exons	5578..5694, 19208..19687, 19226..19681, 19303..19686		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o13.tw	Method	TBLASTX:Wheat
Start	6040	End	6352
GI	none	Score	60
Exons	6040..6300, 6254..6352		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o3.ts	Method	TBLASTX:Soybean
Start	6100	End	6666
GI	5666795	Score	68
Exons	6100..6300, 6355..6492, 6568..6666		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o8.tw	Method	TBLASTX:Wheat
Start	6355	End	9815
GI	none	Score	86
Exons	6355..6504, 6356..6493, 6358..6495, 6551..6724, 6565..6816, 6565..6789, 9762..9815		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	6706	End	19120
GI	none	Score	472
Exons	6706..6846, 18767..19120, 18769..19035, 18809..19105		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o5.tw	Method	TBLASTX:Wheat
Start	7444	End	18694
GI	none	Score	319
Exons	7444..7863, 7451..7864, 18341..18694		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-

Start	4717	End	20706
Name	OJ991101_03.0218.C8.o5.tm	Method	TBLASTX:Maize
Start	7480	End	18730
GI	none	Score	151
Exons	7480..7833, 7822..7944, 18239..18409, 18395..18730		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	7522	End	18679
GI	none	Score	57
Exons	7522..7893, 18284..18316, 18284..18316, 18320..18679, 18323..18397, 18327..18461, 18436..18678		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o3.tm	Method	TBLASTX:Maize
Start	7948	End	18238
GI	none	Score	117
Exons	7948..8253, 7948..8304, 7958..8269, 17993..18238		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o3.tw	Method	TBLASTX:Wheat
Start	7972	End	18223
GI	none	Score	382
Exons	7972..8433, 7973..8434, 7992..8435, 17993..18223		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o4.ts	Method	TBLASTX:Soybean
Start	8029	End	18172
GI	none	Score	111
Exons	8029..8163, 8170..8394, 18038..18172		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o6.tw	Method	TBLASTX:Wheat
Start	8602	End	9085
GI	none	Score	170
Exons	8602..9084, 8630..8890, 8912..9085		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o9.tw	Method	TBLASTX:Wheat
Start	9823	End	10215
GI	none	Score	89
Exons	9823..10080, 9857..10096, 10063..10161, 10064..10144, 10168..10215		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8

Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o10.tm	Method	TBLASTX:Maize
Start	9925	End	10210
GI	none	Score	103
Exons	9925..10173, 9926..10210		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o10.tw	Method	TBLASTX:Wheat
Start	16393	End	16756
GI	none	Score	296
Exons	16393..16497, 16397..16756, 16522..16755		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o9.tm	Method	TBLASTX:Maize
Start	16637	End	16933
GI	none	Score	200
Exons	16637..16933, 16654..16824		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o7.tm	Method	TBLASTX:Maize
Start	17279	End	17599
GI	none	Score	209
Exons	17279..17599		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o11.tw	Method	TBLASTX:Wheat
Start	17332	End	17686
GI	none	Score	262
Exons	17332..17427, 17333..17686, 17516..17650		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o14.tw	Method	TBLASTX:Wheat
Start	18227	End	18340
GI	none	Score	177
Exons	18227..18340, 18229..18339, 18248..18340		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o2.tw	Method	TBLASTX:Wheat
Start	18695	End	19204
GI	none	Score	630
Exons	18695..19204, 18727..19113		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-

Start	4717	End	20706
Name	OJ991101_03.0218.C8.o5.ts	Method	TBLASTX:Soybean
Start	18704	End	18946
GI	none	Score	188
Exons	18704..18946		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	19385	End	19711
GI	none	Score	90
Exons	19385..19567, 19568..19711		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	19475	End	19735
GI	none	Score	299
Exons	19475..19735, 19480..19581, 19667..19735		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o4.tm	Method	TBLASTX:Maize
Start	19533	End	19825
GI	none	Score	390
Exons	19533..19724, 19535..19825, 19604..19816, 19636..19821		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	19874	End	20461
GI	none	Score	226
Exons	19874..20035, 19880..20026, 19882..20028, 20033..20131, 20035..20130, 20192..20461, 20200..20460		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o7.tw	Method	TBLASTX:Wheat
Start	20320	End	20653
GI	none	Score	360
Exons	20320..20589, 20321..20653		

Seq. No.	13902	Seq. ID	OJ991101_03.0218.C8
Gene No.	29678	Strand	-
Start	4717	End	20706
Name	OJ991101_03.0218.C8.o8.tm	Method	TBLASTX:Maize
Start	20462	End	20706
GI	none	Score	202
Exons	20462..20674, 20494..20583, 20644..20706		

Seq. No.	13903	Seq. ID	OJ991101_03.0218.C9
Gene No.	29679	Strand	-

Start	1896	End	2047
Name	OJ991101_03.0218.C9.o2.gs	Method	GENSCAN
Start	1896	End	2047
GI	none	Score	.79
Exons	1896..2047		

Seq. No.	13904	Seq. ID	OJ991101_03.0218.C10
Gene No.	29680	Strand	+
Start	2327	End	2472
Name	OJ991101_03.0218.C10.o1.np	Method	AAT/NAP
Start	2327	End	2472
GI	6630697	Score	80
Exons	2327..2472		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	13904	Seq. ID	OJ991101_03.0218.C10
Gene No.	29681	Strand	+
Start	2391	End	12806
Name	OJ991101_03.0218.C10.o1.gs	Method	GENSCAN
Start	2391	End	12599
GI	none	Score	.68
Exons	2391..2508, 6253..6413, 6816..7310, 7974..8274, 8406..8494, 12024..12182, 12498..12599		

Seq. No.	13904	Seq. ID	OJ991101_03.0218.C10
Gene No.	29681	Strand	+
Start	2391	End	12806
Name	OJ991101_03.0218.C10.o2.np	Method	AAT/NAP
Start	4430	End	7202
GI	1708618	Score	41
Exons	4430..4457, 7036..7202		
GI Descrip.	NUCLEAR FACTOR NF-KAPPA-B P100 SUBUNIT [CONTAINS: NUCLEAR FACTOR NF-KAPPA-B P52 SUBUNIT] gi|407031 (U00111) NF-kB p52/p100 [Gallus gallus] gi|738738|prf||2001399A NF-kappa B p100 protein [Gallus gallus]		

Seq. No.	13904	Seq. ID	OJ991101_03.0218.C10
Gene No.	29681	Strand	+
Start	2391	End	12806
Name	OJ991101_03.0218.C10.o1.gp	Method	AAT/GAP
Start	5013	End	7281
GI	none	Score	1726
Exons	5013..5211, 6253..6413, 6492..6566, 6816..7281		

Seq. No.	13904	Seq. ID	OJ991101_03.0218.C10
Gene No.	29681	Strand	+
Start	2391	End	12806
Name	OJ991101_03.0218.C10.o2.gp	Method	AAT/GAP
Start	10916	End	12806
GI	none	Score	1342
Exons	10916..10946, 11035..11078, 11156..11210, 12022..12325, 12498..12806		

Seq. No.	13904	Seq. ID	OJ991101_03.0218.C10
Gene No.	29682	Strand	-
Start	12933	End	13203
Name	OJ991101_03.0218.C10.o3.gp	Method	AAT/GAP

Start	12933	End	13203
GI	uC-osroM202017a05a1	Score	542
Exons	12933..13203		
GI Descrip.	'6041846/gb|AAF02155.1|AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13905	Seq. ID	OJ991101_03.0218.C11
Gene No.	29683	Strand	-
Start	399	End	573
Name	OJ991101_03.0218.C11.o1.np	Method	AAT/NAP
Start	399	End	573
GI	2623783	Score	208
Exons	399..573		
GI Descrip.	(AF030166) glucanase [Oryza sativa]		

Seq. No.	13906	Seq. ID	OJ991101_03.0218.C12
Gene No.	29684	Strand	-
Start	189	End	293
Name	OJ991101_03.0218.C12.o1.gs	Method	GENSCAN
Start	189	End	293
GI	none	Score	.53
Exons	189..293		

Seq. No.	13907	Seq. ID	OJ991101_03.0218.C13
Gene No.	29685	Strand	-
Start	259	End	454
Name	OJ991101_03.0218.C13.o1.gp	Method	AAT/GAP
Start	259	End	454
GI	uC-osflm202113d05b1	Score	349
Exons	259..454		
GI Descrip.	'5922636/dbj|BAA84637.1| 1.0e-14 (AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016869_dbj_BAA85212.1_ (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29686	Strand	+
Start	565	End	962
Name	OJ991111_02.0211.C1.o1.gs	Method	GENSCAN
Start	565	End	962
GI	none	Score	1
Exons	565..962		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29687	Strand	+
Start	6354	End	7022
Name	OJ991111_02.0211.C1.o4.gs	Method	GENSCAN
Start	6354	End	7022
GI	none	Score	.67
Exons	6354..6390, 6561..6685, 6696..6764, 6786..7022		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29688	Strand	+
Start	9702	End	13322
Name	OJ991111_02.0211.C1.o2.np	Method	AAT/NAP

Start	9702	End	13322
GI	3461838	Score	51
Exons	9702..9729, 13103..13322		
GI Descrip.	(AC005315) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29689	Strand	+
Start	23566	End	24225
Name	OJ991111_02.0211.C1.o8.gp	Method	AAT/GAP
Start	23566	End	24225
GI	40485_1.R1084	Score	1153
Exons	23566..24225		
GI Descrip.	'3128209 2.0e-11 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29690	Strand	-
Start	1939	End	3847
Name	OJ991111_02.0211.C1.o2.gs	Method	GENSCAN
Start	1939	End	3847
GI	none	Score	.79
Exons	1939..2003, 2093..2350, 3447..3488, 3721..3847		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29691	Strand	-
Start	4632	End	5408
Name	OJ991111_02.0211.C1.o1.gp	Method	AAT/GAP
Start	4541	End	5408
GI	none	Score	1694
Exons	4541..5408		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29691	Strand	-
Start	4632	End	5408
Name	OJ991111_02.0211.C1.o3.gs	Method	GENSCAN
Start	4632	End	5342
GI	none	Score	.57
Exons	4632..5342		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o5.gs	Method	GENSCAN
Start	8251	End	8621
GI	none	Score	.87
Exons	8251..8296, 8353..8621		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o2.gp	Method	AAT/GAP
Start	8335	End	8758
GI	none	Score	651
Exons	8335..8655, 8681..8758		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1

Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o1.np	Method	AAT/NAP
Start	8410	End	11421
GI	6815062	Score	448
Exons	8410..8525, 10216..11421		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o3.gp	Method	AAT/GAP
Start	8704	End	9375
GI	52271_1.R1084	Score	1299
Exons	8704..9375		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 5.0e-14 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o6.gs	Method	GENSCAN
Start	9472	End	22588
GI	none	Score	.75
Exons	9472..9966, 10135..11439, 11542..11811, 12199..12266, 12432..12507, 13046..13138, 15615..15963, 17670..17786, 18059..18171, 18263..18337, 19025..19215, 19233..19368, 19545..19760, 19861..20045, 20614..20764, 21040..21071, 22402..22588		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o4.gp	Method	AAT/GAP
Start	10318	End	10750
GI	4968607	Score	812
Exons	10318..10750		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o6.gp	Method	AAT/GAP
Start	16768	End	17442
GI	2280902	Score	684
Exons	16768..17079, 17370..17442		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o3.np	Method	AAT/NAP
Start	18950	End	23621
GI	6069646	Score	368
Exons	18950..19760, 23585..23621		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o5.np	Method	AAT/NAP
Start	19456	End	23588
GI	3850576	Score	56
Exons	19456..19524, 22512..22592, 23520..23588		
GI Descrip.	(AC005278) Strong similarity to gb|U04968 nucleotide excision repair protein (ERCC2) from Cricetulus grisseus. [Arabidopsis thaliana]		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o7.gp	Method	AAT/GAP
Start	19852	End	19986
GI	40306_1.R1084	Score	192
Exons	19852..19986		
GI Descrip.	'2443878 3.0e-16 (AC002294) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29692	Strand	-
Start	8251	End	23621
Name	OJ991111_02.0211.C1.o4.np	Method	AAT/NAP
Start	20582	End	22142
GI	6815053	Score	192
Exons	20582..20660, 21996..22142		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o8.tm	Method	TBLASTX:Maize
Start	4878	End	5445
GI	none	Score	55
Exons	4878..4982, 5151..5441, 5164..5286, 5168..5440, 5356..5445		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o7.tm	Method	TBLASTX:Maize
Start	6481	End	6818
GI	none	Score	91
Exons	6481..6555, 6574..6678, 6575..6679, 6590..6679, 6660..6818		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o2.ts	Method	TBLASTX:Soybean
Start	6536	End	6917
GI	none	Score	83
Exons	6536..6679, 6666..6824, 6891..6917		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o2.tw	Method	TBLASTX:Wheat
Start	6560	End	6803
GI	none	Score	111
Exons	6560..6685, 6560..6679, 6660..6803		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o2.tm	Method	TBLASTX:Maize
Start	9648	End	9959
GI	none	Score	553
Exons	9648..9959, 9648..9920		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o5.tm	Method	TBLASTX:Maize
Start	10132	End	10338
GI	none	Score	177
Exons	10132..10338, 10133..10336, 10135..10338		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o6.tm	Method	TBLASTX:Maize
Start	10354	End	10950
GI	none	Score	99
Exons	10354..10557, 10540..10713, 10747..10827, 10855..10950		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o3.tm	Method	TBLASTX:Maize
Start	11263	End	11738
GI	none	Score	246
Exons	11263..11442, 11270..11440, 11538..11729, 11542..11736, 11543..11605, 11571..11738		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o4.tw	Method	TBLASTX:Wheat
Start	17372	End	19988
GI	none	Score	126
Exons	17372..17440, 17373..17447, 17373..17444, 17380..17448, 17380..17448, 17669..17788, 17670..17795, 18014..18136, 18039..18170, 18039..18170, 18040..18171, 18058..18177, 18260..18343, 18261..18338, 18269..18340, 19858..19986, 19858..19986, 19860..19988, 19863..19988		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299

Name	OJ991111_02.0211.C1.o9.tm	Method	TBLASTX:Maize
Start	17668	End	20006
GI	none	Score	110
Exons	17668..17787, 17669..17788, 17669..17788, 17734..17790, 18035..18133, 18057..18170, 18058..18171, 18058..18171, 18260..18370, 18261..18338, 18266..18340, 19858..19983, 19858..19986, 19862..19990, 19863..20006		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o4.tm	Method	TBLASTX:Maize
Start	18977	End	19519
GI	none	Score	80
Exons	18977..19168, 19190..19420, 19208..19420, 19434..19508, 19439..19519		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o3.tw	Method	TBLASTX:Wheat
Start	19229	End	19417
GI	none	Score	203
Exons	19229..19417		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	23769	End	25192
GI	none	Score	44
Exons	23769..23798, 23772..23798, 23773..23799, 23773..23799, 23844..24452, 23859..24452, 23860..24453, 23912..24457, 23984..24457, 24180..24248, 24330..24395, 24414..24452, 24577..24945, 24581..24949, 25016..25186, 25021..25191, 25022..25192		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o6.np	Method	AAT/NAP
Start	23880	End	25299
GI	3128209	Score	1142
Exons	23880..24451, 24591..24926, 25023..25299		
GI Descrip.	(AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o1.ts	Method	TBLASTX:Soybean
Start	23943	End	24900
GI	none	Score	229
Exons	23943..24452, 23943..24452, 23944..24456, 24577..24783, 24581..24784, 24790..24900, 24794..24874		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-

Start	23880	End	25299
Name	OJ991111_02.0211.C1.o1.tc	Method	TBLASTX:Cress
Start	23958	End	24771
GI	none	Score	52
Exons	23958..24449, 23959..24060, 24124..24438, 24604..24765, 24622..24771		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o9.gp	Method	AAT/GAP
Start	24170	End	24620
GI	3090493	Score	550
Exons	24170..24451, 24591..24620		
GI Descrip.	3128209 7.0e-40 (AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o10.gp	Method	AAT/GAP
Start	24255	End	24707
GI	3090493	Score	538
Exons	24255..24451, 24591..24707		
GI Descrip.	3128209 7.0e-40 (AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o1.tw	Method	TBLASTX:Wheat
Start	24354	End	24828
GI	none	Score	226
Exons	24354..24407, 24414..24443, 24590..24781, 24592..24780, 24592..24789, 24796..24828		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o11.gp	Method	AAT/GAP
Start	24694	End	25191
GI	21784_1.R1084	Score	603
Exons	24694..24926, 25023..25191		
GI Descrip.	'3128209 2.0e-23 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13908	Seq. ID	OJ991111_02.0211.C1
Gene No.	29693	Strand	-
Start	23880	End	25299
Name	OJ991111_02.0211.C1.o2.tc	Method	TBLASTX:Cress
Start	24791	End	25191
GI	none	Score	124
Exons	24791..24928, 24793..24945, 25021..25113, 25126..25191		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29694	Strand	+
Start	3838	End	11303

Name	OJ991111_02.0211.C2.o3.gp	Method	AAT/GAP
Start	3709	End	6922
GI	20462_2.R1084	Score	929
Exons	3709..3891, 5211..5353, 5984..6113, 6851..6922		
GI Descrip.	'3298540 6.0e-35 (AC004681) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29694	Strand	+
Start	3838	End	11303
Name	OJ991111_02.0211.C2.o2.gs	Method	GENSCAN
Start	3838	End	10895
GI	none	Score	.6
Exons	3838..3891, 5211..5353, 5984..6113, 6851..7042, 7322..7530, 9235..9390, 9898..10126, 10701..10895		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29694	Strand	+
Start	3838	End	11303
Name	OJ991111_02.0211.C2.o1.np	Method	AAT/NAP
Start	3844	End	7525
GI	3298540	Score	861
Exons	3844..3891, 5211..5353, 5984..6113, 6851..7042, 7322..7525		
GI Descrip.	(AC004681) putative carboxymethylenebutenolidase [Arabidopsis thaliana]		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29694	Strand	+
Start	3838	End	11303
Name	OJ991111_02.0211.C2.o2.np	Method	AAT/NAP
Start	10647	End	11303
GI	6539588	Score	219
Exons	10647..10975, 11275..11303		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29695	Strand	-
Start	1608	End	1858
Name	OJ991111_02.0211.C2.o1.gp	Method	AAT/GAP
Start	1608	End	1858
GI	21784_1.R1084	Score	447
Exons	1608..1858		
GI Descrip.	'3128209 2.0e-23 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29696	Strand	-
Start	2725	End	2793
Name	OJ991111_02.0211.C2.o2.gp	Method	AAT/GAP
Start	2725	End	2793
GI	2312838	Score	64
Exons	2725..2793		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29697	Strand	-

Start	7344	End	7700
Name	OJ991111_02.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	3834	End	7586
GI	none	Score	74
Exons	3834..3890, 3837..3890, 5210..5353, 5211..5354, 5212..5364, 5967..6113, 5983..6114, 5984..6121, 5992..6114, 6098..6142, 6826..7041, 6849..6950, 6849..7046, 6850..7041, 6851..7057, 7322..7534, 7323..7421, 7357..7530, 7361..7534, 7470..7586		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29697	Strand	-
Start	7344	End	7700
Name	OJ991111_02.0211.C2.o2.tc	Method	TBLASTX:Cress
Start	5190	End	6936
GI	none	Score	210
Exons	5190..5309, 5210..5353, 5211..5354, 5967..6113, 5984..6121, 6826..6936		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29697	Strand	-
Start	7344	End	7700
Name	OJ991111_02.0211.C2.o2.ts	Method	TBLASTX:Soybean
Start	5210	End	6898
GI	none	Score	227
Exons	5210..5353, 5211..5354, 5215..5358, 5967..6113, 5984..6121, 5998..6114, 6826..6897, 6854..6898		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29697	Strand	-
Start	7344	End	7700
Name	OJ991111_02.0211.C2.o1.tw	Method	TBLASTX:Wheat
Start	5967	End	7411
GI	none	Score	213
Exons	5967..6113, 5973..6113, 5983..6114, 5983..6114, 5984..6121, 6826..7041, 6848..7057, 6849..6950, 6850..7041, 6851..7057, 7322..7411, 7326..7409, 7357..7410		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29697	Strand	-
Start	7344	End	7700
Name	OJ991111_02.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	6902	End	7528
GI	none	Score	46
Exons	6902..6946, 6908..6943, 6956..7057, 6958..7041, 7320..7508, 7322..7528, 7355..7510		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29697	Strand	-
Start	7344	End	7700
Name	OJ991111_02.0211.C2.o1.tc	Method	TBLASTX:Cress
Start	7322	End	7522
GI	none	Score	258
Exons	7322..7522, 7357..7509		

Seq. No.	13909	Seq. ID	OJ991111_02.0211.C2
Gene No.	29697	Strand	-
Start	7344	End	7700

Name	OJ991111_02.0211.C2.o4.gp	Method	AAT/GAP
Start	7344	End	7700
GI	37871_1.R1084	Score	636
Exons	7344..7700		
GI Descrip.	'3298540 2.0e-18 (AC004681) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13910	Seq. ID	OJ991111_02.0211.C3
Gene No.	29698	Strand	+
Start	2501	End	4738
Name	OJ991111_02.0211.C3.o1.gs	Method	GENSCAN
Start	2501	End	4738
GI	none	Score	.77
Exons	2501..2555, 4029..4738		

Seq. No.	13910	Seq. ID	OJ991111_02.0211.C3
Gene No.	29699	Strand	+
Start	9068	End	11053
Name	OJ991111_02.0211.C3.o3.gs	Method	GENSCAN
Start	9068	End	11053
GI	none	Score	.75
Exons	9068..10142, 10305..11053		

Seq. No.	13910	Seq. ID	OJ991111_02.0211.C3
Gene No.	29700	Strand	+
Start	12806	End	13096
Name	OJ991111_02.0211.C3.o5.gs	Method	GENSCAN
Start	12806	End	13096
GI	none	Score	.95
Exons	12806..12856, 13037..13096		

Seq. No.	13910	Seq. ID	OJ991111_02.0211.C3
Gene No.	29701	Strand	-
Start	11903	End	12193
Name	OJ991111_02.0211.C3.o4.gs	Method	GENSCAN
Start	11903	End	12193
GI	none	Score	.98
Exons	11903..12193		

Seq. No.	13910	Seq. ID	OJ991111_02.0211.C3
Gene No.	29702	Strand	-
Start	14976	End	16108
Name	OJ991111_02.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	4196	End	4603
GI	none	Score	95
Exons	4196..4405, 4412..4603		

Seq. No.	13910	Seq. ID	OJ991111_02.0211.C3
Gene No.	29702	Strand	-
Start	14976	End	16108
Name	OJ991111_02.0211.C3.o6.gs	Method	GENSCAN
Start	14976	End	16108
GI	none	Score	.75
Exons	14976..15066, 16062..16108		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29703	Strand	+

Start	1458	End	7813
Name	OJ991111_02.0211.C4.o2.np	Method	AAT/NAP
Start	1458	End	7792
GI	4544372	Score	1119
Exons	1458..2503, 2570..2957, 3063..3368, 4357..4846, 6794..7792		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29703	Strand	+
Start	1458	End	7813
Name	OJ991111_02.0211.C4.o1.gp	Method	AAT/GAP
Start	5789	End	6170
GI	uC-osflcyp033a04b1	Score	643
Exons	5789..6170		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29703	Strand	+
Start	1458	End	7813
Name	OJ991111_02.0211.C4.o3.gs	Method	GENSCAN
Start	6078	End	7813
GI	none	Score	.73
Exons	6078..6122, 7115..7293, 7309..7813		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29704	Strand	-
Start	4403	End	4840
Name	OJ991111_02.0211.C4.o2.gs	Method	GENSCAN
Start	4403	End	4840
GI	none	Score	.91
Exons	4403..4840		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o5.ts	Method	TBLASTX:Soybean
Start	839	End	1177
GI	none	Score	194
Exons	839..1177		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o4.ts	Method	TBLASTX:Soybean
Start	1587	End	1952
GI	none	Score	136
Exons	1587..1811, 1818..1952		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	1749	End	2153
GI	none	Score	76
Exons	1749..1805, 1800..2153, 1808..2152		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	1803	End	2021
GI	none	Score	259
Exons	1803..2021, 1808..2020		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	2022	End	2483
GI	none	Score	536
Exons	2022..2483, 2024..2299		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	2169	End	2626
GI	none	Score	209
Exons	2169..2450, 2207..2299, 2451..2609, 2498..2626		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o4.tw	Method	TBLASTX:Wheat
Start	2171	End	2552
GI	none	Score	189
Exons	2171..2344, 2172..2489, 2451..2552		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	2790	End	3200
GI	none	Score	155
Exons	2790..2927, 2792..2941, 2948..3103, 2949..3200		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o3.tw	Method	TBLASTX:Wheat
Start	2835	End	3233
GI	none	Score	77
Exons	2835..2924, 2964..3233		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o2.tw	Method	TBLASTX:Wheat
Start	7370	End	7777
GI	none	Score	219
Exons	7370..7777, 7378..7743		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o3.ts	Method	TBLASTX:Soybean
Start	7553	End	7786
GI	none	Score	236
Exons	7553..7786, 7553..7720, 7555..7725, 7765..7785		

Seq. No.	13911	Seq. ID	OJ991111_02.0211.C4
Gene No.	29705	Strand	-
Start	8280	End	11397
Name	OJ991111_02.0211.C4.o4.gs	Method	GENSCAN
Start	8280	End	11397
GI	none	Score	.7
Exons	8280..8708, 8817..8915, 8997..9836, 9915..10059, 10417..10470, 11318..11397		

Seq. No.	13912	Seq. ID	OJ991111_02.0211.C5
Gene No.	29706	Strand	+
Start	1426	End	2088
Name	OJ991111_02.0211.C5.o1.gs	Method	GENSCAN
Start	1426	End	2088
GI	none	Score	.86
Exons	1426..2013, 2027..2088		

Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29707	Strand	+
Start	71	End	545
Name	OJ991111_02.0211.C6.o1.gs	Method	GENSCAN
Start	71	End	545
GI	none	Score	.91
Exons	71..545		

Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29708	Strand	+
Start	2719	End	3264
Name	OJ991111_02.0211.C6.o1.gp	Method	AAT/GAP
Start	2719	End	3264
GI	none	Score	1022
Exons	2719..3264		

Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29709	Strand	+
Start	19009	End	19155
Name	OJ991111_02.0211.C6.o5.gp	Method	AAT/GAP
Start	19009	End	19155
GI	286806	Score	253
Exons	19009..19155		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29710	Strand	-
Start	3815	End	18084
Name	OJ991111_02.0211.C6.o2.gp	Method	AAT/GAP
Start	3430	End	5183
GI	none	Score	764

Exons	3430..3639, 3792..3949, 5146..5183		
Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29710	Strand	-
Start	3815	End	18084
Name	OJ991111_02.0211.C6.o2.gs	Method	GENSCAN
Start	3815	End	18084
GI	none	Score	.85
Exons	3815..3949, 5146..5472, 5657..5759, 6567..6702, 7113..7287, 8785..8892, 9239..9286, 9645..9743, 9824..9940, 10156..10248, 10620..10725, 10894..10928, 11017..11103, 11372..11440, 11526..11624, 13342..13414, 13498..13826, 13914..13971, 14061..14113, 14919..14988, 15120..15181, 15296..15384, 15750..15855, 15954..16025, 16771..16823, 16889..17043, 17783..17954, 18030..18084		
Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29710	Strand	-
Start	3815	End	18084
Name	OJ991111_02.0211.C6.o3.gp	Method	AAT/GAP
Start	5218	End	9739
GI	none	Score	1370
Exons	5218..5472, 5657..5759, 7696..7760, 8785..8892, 9057..9149, 9239..9286, 9645..9739		
Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29710	Strand	-
Start	3815	End	18084
Name	OJ991111_02.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	5640	End	10740
GI	none	Score	105
Exons	5640..5717, 5655..5759, 5705..5761, 5707..5763, 7695..7775, 7700..7762, 8778..8837, 8783..8842, 8783..8836, 8785..8889, 9051..9149, 9075..9158, 9233..9289, 9234..9287, 9645..9746, 9646..9747, 9816..9935, 9821..9943, 9824..9943, 10029..10064, 10029..10064, 10030..10086, 10030..10086, 10146..10250, 10147..10251, 10156..10254, 10337..10420, 10338..10421, 10338..10421, 10339..10422, 10618..10740, 10619..10723, 10620..10727		
Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29710	Strand	-
Start	3815	End	18084
Name	OJ991111_02.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	9819	End	10254
GI	none	Score	67
Exons	9819..9911, 9821..9931, 10030..10086, 10030..10086, 10156..10254		
Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29710	Strand	-
Start	3815	End	18084
Name	OJ991111_02.0211.C6.o4.gp	Method	AAT/GAP
Start	10203	End	11392
GI	uC-osflcyp173f02b1	Score	721
Exons	10203..10248, 10339..10419, 10620..10725, 10894..10928, 11017..11103, 11229..11306, 11372..11392		
GI Descrip.	'5081608/gb|AAD39463.1|AF135439_1 2.0e-22 (AF135439) formin		

binding protein 11 [Mus musculus]'

Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29710	Strand	-
Start	3815	End	18084
Name	OJ991111_02.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	10879	End	15163
GI	none	Score	55
Exons	10879..10947, 10883..10954, 11011..11112, 11015..11104, 11034..11105, 11229..11309, 11230..11337, 11232..11303, 11343..11441, 11371..11439, 11372..11440, 11373..11441, 11374..11442, 11517..11630, 11526..11624, 13342..13416, 13497..13700, 13500..13622, 13536..13739, 13598..13669, 13751..13825, 13753..13824, 13755..13826, 13905..13973, 13912..13971, 14058..14114, 14058..14114, 14060..14116, 14913..14990, 14919..14957, 15119..15163		

Seq. No.	13913	Seq. ID	OJ991111_02.0211.C6
Gene No.	29710	Strand	-
Start	3815	End	18084
Name	OJ991111_02.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	10887	End	11441
GI	none	Score	51
Exons	10887..10928, 10888..10935, 11015..11104, 11017..11112, 11052..11105, 11229..11288, 11230..11295, 11231..11287, 11232..11306, 11343..11441, 11372..11440, 11373..11441		

Seq. No.	13914	Seq. ID	OJ991111_02.0211.C7
Gene No.	29711	Strand	+
Start	1158	End	1464
Name	OJ991111_02.0211.C7.o1.gs	Method	GENSCAN
Start	1158	End	1464
GI	none	Score	.81
Exons	1158..1216, 1377..1464		

Seq. No.	13915	Seq. ID	OJ991021_06.0218.C1
Gene No.	29712	Strand	-
Start	361	End	505
Name	OJ991021_06.0218.C1.o1.gs	Method	GENSCAN
Start	361	End	505
GI	none	Score	.68
Exons	361..505		

Seq. No.	13916	Seq. ID	OJ991021_06.0218.C3
Gene No.	29713	Strand	+
Start	1	End	945
Name	OJ991021_06.0218.C3.o1.np	Method	AAT/NAP
Start	1	End	945
GI	6006359	Score	79
Exons	1..32, 252..352, 927..945		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	13916	Seq. ID	OJ991021_06.0218.C3
Gene No.	29714	Strand	-
Start	310	End	929
Name	OJ991021_06.0218.C3.o1.gs	Method	GENSCAN
Start	310	End	929

GI	none	Score	.73
Exons	310..471, 879..929		
Seq. No.	13917	Seq. ID	OJ991021_06.0218.C4
Gene No.	29715	Strand	+
Start	87	End	168
Name	OJ991021_06.0218.C4.o1.gs	Method	GENSCAN
Start	87	End	168
GI	none	Score	.68
Exons	87..168		
Seq. No.	13918	Seq. ID	OJ991021_06.0218.C5
Gene No.	29716	Strand	+
Start	2413	End	4012
Name	OJ991021_06.0218.C5.o1.gs	Method	GENSCAN
Start	2413	End	4012
GI	none	Score	.61
Exons	2413..2745, 2747..2835, 3805..4012		
Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29717	Strand	+
Start	880	End	2330
Name	OJ991021_06.0218.C6.o1.gs	Method	GENSCAN
Start	880	End	2330
GI	none	Score	.55
Exons	880..1056, 1070..1148, 1639..1781, 1926..2330		
Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o1.gp	Method	AAT/GAP
Start	3686	End	4311
GI	36743_1.R1084	Score	1208
Exons	3686..4311		
GI Descrip.	'6018193/gb|AAF01786.1|AF114170_1 5.0e-30 (AF114170) nucleotide-binding protein long form [Mus musculus]'		
Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o1.np	Method	AAT/NAP
Start	3750	End	6183
GI	4505337	Score	875
Exons	3750..3993, 4098..4690, 6063..6183		
GI Descrip.	nucleotide binding protein 1 (E.coli MinD like) gi|1709232|sp|P53384|NBP_HUMAN NUCLEOTIDE-BINDING PROTEIN (NBP) gi|1082661|pir||JC4010 nucleotide-binding protein - human gi|515644 (U01833) putative nucleotide-binding protein [Homo sapiens]		
Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o2.gs	Method	GENSCAN
Start	3792	End	9462
GI	none	Score	.72
Exons	3792..4690, 6063..6164, 6294..6442, 7153..7182, 8531..8790,		

9022..9236, 9405..9462

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	3795	End	3957
GI	none	Score	126
Exons	3795..3956, 3798..3956, 3823..3957		

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	3803	End	6221
GI	none	Score	939
Exons	3803..4669, 3804..4691, 3804..4691, 3820..4692, 4345..4692, 6064..6162, 6065..6163, 6075..6221		

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	3888	End	4034
GI	none	Score	168
Exons	3888..4034, 3889..4029		

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	4084	End	4401
GI	none	Score	98
Exons	4084..4290, 4086..4397, 4086..4400, 4087..4401		

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	4329	End	6163
GI	none	Score	481
Exons	4329..4691, 4330..4692, 6064..6162, 6065..6163		

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o2.gp	Method	AAT/GAP
Start	4492	End	6431
GI	62555_1.R1084	Score	825
Exons	4492..4690, 6063..6164, 6294..6431		
GI Descrip.	'4056552/emb|CAA22587| 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]'		

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o2.tc	Method	TBLASTX:Cress

Start	4503	End	6163
GI	none	Score	213
Exons	4503..4691, 4507..4692, 4507..4692, 5986..6030, 6064..6162, 6065..6163		

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o2.tw	Method	TBLASTX:Wheat
Start	4600	End	6324
GI	none	Score	147
Exons	4600..4692, 4600..4689, 4602..4691, 6038..6169, 6064..6171, 6072..6221, 6298..6324		

Seq. No.	13919	Seq. ID	OJ991021_06.0218.C6
Gene No.	29718	Strand	-
Start	3792	End	9462
Name	OJ991021_06.0218.C6.o2.np	Method	AAT/NAP
Start	7685	End	9110
GI	5852084	Score	80
Exons	7685..7805, 9078..9110		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	13920	Seq. ID	OJ991021_06.0218.C8
Gene No.	29719	Strand	+
Start	936	End	3935
Name	OJ991021_06.0218.C8.o1.gs	Method	GENSCAN
Start	936	End	3866
GI	none	Score	.66
Exons	936..1139, 2217..2378, 2760..2981, 3565..3680, 3767..3866		

Seq. No.	13920	Seq. ID	OJ991021_06.0218.C8
Gene No.	29719	Strand	+
Start	936	End	3935
Name	OJ991021_06.0218.C8.o2.gp	Method	AAT/GAP
Start	2525	End	3866
GI	407_1.R1084	Score	718
Exons	2525..2639, 2760..2783, 2881..2981, 3565..3680, 3767..3866		
GI Descrip.	'1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'		

Seq. No.	13920	Seq. ID	OJ991021_06.0218.C8
Gene No.	29719	Strand	+
Start	936	End	3935
Name	OJ991021_06.0218.C8.o1.np	Method	AAT/NAP
Start	2756	End	3935
GI	1184776	Score	446
Exons	2756..2783, 2881..2981, 3565..3680, 3767..3935		
GI Descrip.	(U45857) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC4 [Zea mays]		

Seq. No.	13920	Seq. ID	OJ991021_06.0218.C8
Gene No.	29720	Strand	-
Start	719	End	1227
Name	OJ991021_06.0218.C8.o1.gp	Method	AAT/GAP
Start	719	End	1227
GI	LIB3434-055-P1-K1-A2	Score	717

Exons	719..887, 1006..1227		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	13920	Seq. ID	OJ991021_06.0218.C8
Gene No.	29721	Strand	
Start	2578	End	3876
Name	OJ991021_06.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	2578	End	3875
GI	none	Score	90
Exons	2578..2640, 2578..2643, 2737..2787, 2741..2785, 2854..2934, 2880..2981, 2880..2981, 3563..3688, 3564..3680, 3565..3681, 3732..3866, 3743..3865, 3753..3875, 3767..3868		

Seq. No.	13920	Seq. ID	OJ991021_06.0218.C8
Gene No.	29721	Strand	
Start	2578	End	3876
Name	OJ991021_06.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	2731	End	3868
GI	none	Score	156
Exons	2731..2808, 2880..2981, 2883..2981, 3563..3655, 3564..3647, 3565..3681, 3570..3680, 3732..3866, 3764..3865, 3766..3867, 3767..3868		

Seq. No.	13920	Seq. ID	OJ991021_06.0218.C8
Gene No.	29721	Strand	
Start	2578	End	3876
Name	OJ991021_06.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	2758	End	3868
GI	none	Score	45
Exons	2758..2787, 2759..2785, 2871..2981, 2886..2996, 3568..3681, 3579..3680, 3753..3866, 3764..3865, 3767..3868		

Seq. No.	13920	Seq. ID	OJ991021_06.0218.C8
Gene No.	29721	Strand	
Start	2578	End	3876
Name	OJ991021_06.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	2765	End	3876
GI	none	Score	35
Exons	2765..2785, 2880..2981, 2883..2981, 3564..3680, 3565..3681, 3570..3680, 3732..3866, 3743..3859, 3753..3875, 3766..3876		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29722	Strand	+
Start	98	End	143
Name	OJ991021_06.0218.C9.o1.gs	Method	GENSCAN
Start	98	End	143
GI	none	Score	.43
Exons	98..143		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29723	Strand	+
Start	98	End	423
Name	OJ991021_06.0218.C9.o1.gp	Method	AAT/GAP
Start	98	End	423
GI	407_3.R1084	Score	590
Exons	98..423		

GI Descrip.	'120668/sp|P08477|G3PC_HORVU 2.0e-31 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC >gi_82399_pir__A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) >gi_167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] >gi_225347_prf__1301218A dehydrogenase,glyceraldehydephosphate [Hordeum vulgare var. distichum]'		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29724	Strand	+
Start	7452	End	10115
Name	OJ991021_06.0218.C9.o4.gs	Method	GENSCAN
Start	7452	End	10109
GI	none	Score	.73
Exons	7452..7531, 8237..8397, 8595..8691, 8705..10109		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29724	Strand	+
Start	7452	End	10115
Name	OJ991021_06.0218.C9.o3.gp	Method	AAT/GAP
Start	8487	End	8875
GI	3107601	Score	674
Exons	8487..8875		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29724	Strand	+
Start	7452	End	10115
Name	OJ991021_06.0218.C9.o2.np	Method	AAT/NAP
Start	8829	End	10115
GI	6721172	Score	1091
Exons	8829..10115		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29725	Strand	-
Start	1282	End	2963
Name	OJ991021_06.0218.C9.o2.gs	Method	GENSCAN
Start	1282	End	2963
GI	none	Score	.66
Exons	1282..1778, 2092..2152, 2214..2963		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29725	Strand	-
Start	1282	End	2963
Name	OJ991021_06.0218.C9.o2.gp	Method	AAT/GAP
Start	1342	End	1844
GI	uC-osroM202037b06a1	Score	926
Exons	1342..1844		
GI Descrip.	'5915836/sp|P93531|C7D7_SOLCH 2.0e-39 CYTOCHROME P450 71D7 >gi_1762144 (U48435) putative cytochrome P450 [Solanum chacoense]'		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o1.tw	Method	TBLASTX:Wheat
Start	1282	End	5415

GI	none	Score	171
Exons	1282..1566, 1294..1566, 1296..1568, 1298..1576, 1298..1567, 5133..5405, 5133..5405, 5137..5415		
Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	1291	End	5760
GI	none	Score	200
Exons	1291..1650, 1352..1720, 5166..5759, 5176..5607, 5635..5760		
Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	1300	End	5738
GI	none	Score	222
Exons	1300..1653, 1319..1762, 1467..1691, 1711..1794, 5139..5510, 5146..5604, 5550..5738, 5635..5727		
Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	1300	End	6716
GI	none	Score	152
Exons	1300..1674, 1300..1671, 1301..1678, 1697..1798, 1711..1794, 1790..1855, 1801..1854, 2217..2546, 2715..2780, 2823..2930, 2987..3040, 5139..5510, 5140..5517, 5277..5522, 5536..5736, 5550..5789, 5871..5966, 6003..6206, 6390..6455, 6620..6715, 6675..6716		
Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o2.tw	Method	TBLASTX:Wheat
Start	1594	End	5960
GI	none	Score	180
Exons	1594..1794, 1595..1780, 1790..1849, 1797..1856, 2218..2280, 2220..2303, 2225..2308, 2229..2306, 5433..5738, 5433..5789, 5434..5796, 5868..5957, 5874..5960		
Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o3.tm	Method	TBLASTX:Maize
Start	2670	End	6716
GI	none	Score	95
Exons	2670..2864, 2715..2930, 2836..2913, 2993..3040, 2997..3017, 6390..6539, 6668..6715, 6672..6716		
Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o3.tc	Method	TBLASTX:Cress
Start	2679	End	6715

GI	none	Score	37
Exons	2679..2753, 2715..2930, 2731..2910, 2993..3040, 6390..6539, 6668..6715		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o3.gs	Method	GENSCAN
Start	5106	End	6814
GI	none	Score	.72
Exons	5106..5738, 5868..6749, 6755..6814		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29726	Strand	-
Start	5106	End	6814
Name	OJ991021_06.0218.C9.o1.np	Method	AAT/NAP
Start	5127	End	6814
GI	5915837	Score	973
Exons	5127..5738, 5868..6279, 6313..6814		
GI Descrip.	CYTOCHROME P450 71D8 (P450 CP7) gi|3334667|emb|CAA71517| (Y10493) putative cytochrome P450 [Glycine max]		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29727	Strand	
Start	9093	End	10031
Name	OJ991021_06.0218.C9.o2.tc	Method	TBLASTX:Cress
Start	9093	End	10031
GI	none	Score	79
Exons	9093..9239, 9114..9212, 9234..9434, 9249..9602, 9255..9398, 9303..9527, 9311..9526, 9348..9650, 9432..9617, 9462..9653, 9636..9812, 9654..9821, 9681..9827, 9906..9929, 9957..10031		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29727	Strand	
Start	9093	End	10031
Name	OJ991021_06.0218.C9.o2.ts	Method	TBLASTX:Soybean
Start	9099	End	9812
GI	none	Score	77
Exons	9099..9242, 9255..9551, 9336..9647, 9429..9647, 9429..9599, 9455..9637, 9627..9812		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29727	Strand	
Start	9093	End	10031
Name	OJ991021_06.0218.C9.o4.tm	Method	TBLASTX:Maize
Start	9209	End	9524
GI	none	Score	237
Exons	9209..9445, 9216..9476, 9357..9524		

Seq. No.	13921	Seq. ID	OJ991021_06.0218.C9
Gene No.	29727	Strand	
Start	9093	End	10031
Name	OJ991021_06.0218.C9.o2.tm	Method	TBLASTX:Maize
Start	9545	End	9829
GI	none	Score	406
Exons	9545..9829, 9546..9824		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29728	Strand	+
Start	2216	End	3985
Name	OJ991021_06.0218.C10.o1.gs	Method	GENSCAN
Start	2216	End	3985
GI	none	Score	.59
Exons	2216..2225, 2596..2727, 3921..3985		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29729	Strand	+
Start	5246	End	9257
Name	OJ991021_06.0218.C10.o2.gs	Method	GENSCAN
Start	5246	End	8259
GI	none	Score	.76
Exons	5246..5998, 6860..7186, 7400..7896, 7926..8259		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29729	Strand	+
Start	5246	End	9257
Name	OJ991021_06.0218.C10.o1.np	Method	AAT/NAP
Start	5261	End	9257
GI	6016732	Score	1168
Exons	5261..6001, 6860..7849, 9176..9257		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091719|gb|AAF03431.1|AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29729	Strand	+
Start	5246	End	9257
Name	OJ991021_06.0218.C10.o2.gp	Method	AAT/GAP
Start	5753	End	6920
GI	uC-osflcyp158a11b1	Score	594
Exons	5753..5998, 6860..6920		
GI Descrip.	'6016732/gb|AAF01558.1|AC009325_28 9.0e-13 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091719_gb_AAF03431.1_AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29729	Strand	+
Start	5246	End	9257
Name	OJ991021_06.0218.C10.o3.gp	Method	AAT/GAP
Start	7322	End	7607
GI	LIB3477-006-P1-K1-H9	Score	531
Exons	7322..7607		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-13 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29729	Strand	+
Start	5246	End	9257
Name	OJ991021_06.0218.C10.o4.gp	Method	AAT/GAP
Start	7769	End	8154
GI	572337	Score	738
Exons	7769..8154		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29730	Strand	+
Start	19473	End	24560
Name	OJ991021_06.0218.C10.o4.gs	Method	GENSCAN
Start	19473	End	20947
GI	none	Score	.45
Exons	19473..20182, 20635..20947		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29730	Strand	+
Start	19473	End	24560
Name	OJ991021_06.0218.C10.o3.np	Method	AAT/NAP
Start	20612	End	24560
GI	6382535	Score	1321
Exons	20612..20674, 22133..23553, 23647..23775, 23869..24004, 24085..24173, 24270..24381, 24461..24560		
GI Descrip.	(AC011020) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29730	Strand	+
Start	19473	End	24560
Name	OJ991021_06.0218.C10.o7.gp	Method	AAT/GAP
Start	20619	End	20894
GI	5701672	Score	461
Exons	20619..20894		
GI Descrip.	4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29730	Strand	+
Start	19473	End	24560
Name	OJ991021_06.0218.C10.o8.gp	Method	AAT/GAP
Start	21799	End	22210
GI	uC-osrocyp003d03a1	Score	693
Exons	21799..22210		
GI Descrip.	'5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]'		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29730	Strand	+
Start	19473	End	24560
Name	OJ991021_06.0218.C10.o5.gs	Method	GENSCAN
Start	22139	End	24381
GI	none	Score	.57
Exons	22139..23553, 23647..23775, 23869..24004, 24085..24173, 24270..24381		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29730	Strand	+
Start	19473	End	24560
Name	OJ991021_06.0218.C10.o9.gp	Method	AAT/GAP
Start	23163	End	24009
GI	4715805	Score	1245
Exons	23163..23553, 23647..23775, 23869..24009		
GI Descrip.	5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o7.tm	Method	TBLASTX:Maize
Start	5255	End	5518
GI	none	Score	352
Exons	5255..5296, 5269..5412, 5270..5518, 5372..5518		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o3.tc	Method	TBLASTX:Cress
Start	5272	End	5518
GI	none	Score	257
Exons	5272..5412, 5273..5518		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	5273	End	6931
GI	none	Score	282
Exons	5273..5530, 5275..5412, 5372..5455, 5558..5764, 5569..5748, 5657..5752, 5702..5749, 5828..5914, 5864..5917, 5924..6001, 5944..6000, 6854..6931		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o4.tm	Method	TBLASTX:Maize
Start	5519	End	6970
GI	none	Score	372
Exons	5519..5791, 5560..5784, 5699..5767, 5828..5926, 5834..5938, 5835..5966, 5874..5999, 5924..6001, 5938..6000, 6846..6950, 6852..6950, 6854..6970, 6854..6964, 6856..6969		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	7056	End	8284
GI	none	Score	106
Exons	7056..7130, 7057..7131, 7058..7135, 7113..7271, 7130..7639, 7133..7270, 7135..7557, 7161..7565, 7316..7570, 7550..7663, 7571..7690, 7660..7857, 7679..7810, 7828..7884, 7847..7894, 7847..7921, 7902..7988, 7981..8031, 7981..8031, 8110..8262, 8112..8261, 8222..8284		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	7100	End	7483
GI	none	Score	472
Exons	7100..7483, 7102..7482		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10

Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o4.ts	Method	TBLASTX:Soybean
Start	7165	End	7528
GI	none	Score	181
Exons	7165..7350, 7166..7411, 7418..7528		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o5.gp	Method	AAT/GAP
Start	8675	End	10587
GI	15763_1.R1084	Score	2335
Exons	8675..9510, 9589..9710, 9794..9836, 9923..10035, 10134..10193, 10507..10587		
GI Descrip.	'6016737/gb|AAF01563.1|AC009325_33 3.0e-11 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o3.gs	Method	GENSCAN
Start	9247	End	18055
GI	none	Score	.42
Exons	9247..9710, 10134..10193, 10507..10576, 10922..10986, 11582..11719, 11798..12011, 12042..13084, 13285..13425, 14688..14978, 15230..15432, 15583..15686, 17969..18055		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o2.np	Method	AAT/NAP
Start	9250	End	13596
GI	6016737	Score	651
Exons	9250..9510, 9589..9733, 9787..9829, 9919..10064, 11578..11702, 11844..12861, 13492..13596		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091741|gb|AAF03453.1|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o5.ts	Method	TBLASTX:Soybean
Start	9262	End	9519
GI	none	Score	84
Exons	9262..9468, 9280..9474, 9353..9481, 9481..9519		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o6.tm	Method	TBLASTX:Maize
Start	9319	End	10578
GI	none	Score	184
Exons	9319..9519, 9353..9511, 9550..9711, 9588..9638, 9629..9712,		

9784..9840, 9785..9841, 9914..10036, 9923..10036, 9927..10037, 10126..10164, 10134..10178, 10495..10578, 10506..10556, 10507..10578

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o6.gp	Method	AAT/GAP
Start	10733	End	11823
GI	LIB3432-004-P1-K1-F10	Score	783
Exons	10733..10986, 11582..11719, 11798..11823		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o5.tm	Method	TBLASTX:Maize
Start	11579	End	12081
GI	none	Score	105
Exons	11579..11701, 11581..11700, 11583..11708, 11628..11720, 11647..11727, 11787..12044, 11788..12057, 12048..12080, 12049..12081		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o9.tm	Method	TBLASTX:Maize
Start	12096	End	12278
GI	none	Score	182
Exons	12096..12278, 12127..12276		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o3.ts	Method	TBLASTX:Soybean
Start	12190	End	12564
GI	none	Score	91
Exons	12190..12387, 12255..12560, 12315..12482, 12412..12564		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o4.tc	Method	TBLASTX:Cress
Start	12255	End	12480
GI	none	Score	141
Exons	12255..12476, 12256..12480		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	12279	End	12884
GI	none	Score	413
Exons	12279..12671, 12283..12657, 12657..12884, 12661..12882		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10

Gene No.	29731	Strand	-
Start	8675	End	18055
Name	OJ991021_06.0218.C10.o8.tm	Method	TBLASTX:Maize
Start	12885	End	13106
GI	none	Score	110
Exons	12885..12983, 12889..12981, 12981..13082, 12984..13106, 12991..13083		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29732	Strand	
Start	23109	End	24559
Name	OJ991021_06.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	23109	End	24559
GI	none	Score	670
Exons	23109..23552, 23116..23553, 23117..23554, 23117..23557, 23636..23776, 23644..23775, 23844..23981, 23851..23985, 23866..24003, 23867..24010, 23867..24004, 24082..24171, 24084..24176, 24084..24176, 24271..24387, 24285..24377, 24458..24559, 24458..24550, 24460..24558		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29732	Strand	
Start	23109	End	24559
Name	OJ991021_06.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	23138	End	24523
GI	none	Score	312
Exons	23138..23398, 23140..23361, 23294..23416, 23404..23544, 23408..23554, 23636..23776, 23639..23773, 23641..23775, 23866..23988, 23867..23977, 23877..24008, 24078..24170, 24082..24171, 24274..24387, 24282..24398, 24291..24386, 24458..24523, 24463..24522		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29732	Strand	
Start	23109	End	24559
Name	OJ991021_06.0218.C10.o2.tc	Method	TBLASTX:Cress
Start	23261	End	23460
GI	none	Score	289
Exons	23261..23458, 23263..23460, 23404..23460		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29732	Strand	
Start	23109	End	24559
Name	OJ991021_06.0218.C10.o2.tw	Method	TBLASTX:Wheat
Start	23330	End	23920
GI	none	Score	139
Exons	23330..23554, 23414..23557, 23639..23710, 23642..23731, 23746..23772, 23747..23776, 23867..23920		

Seq. No.	13922	Seq. ID	OJ991021_06.0218.C10
Gene No.	29732	Strand	
Start	23109	End	24559
Name	OJ991021_06.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	23461	End	24171
GI	none	Score	138
Exons	23461..23529, 23462..23554, 23636..23776, 23641..23781, 23641..23775, 23847..23972, 23866..23991, 23867..24010,		

23867..24004, 24082..24171, 24084..24170

Seq. No.	13923	Seq. ID	OJ991021_06.0218.C11
Gene No.	29733	Strand	+
Start	1	End	117
Name	OJ991021_06.0218.C11.o1.gp	Method	AAT/GAP
Start	1	End	117
GI	31827_1.R1084	Score	208
Exons	1..117		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	13923	Seq. ID	OJ991021_06.0218.C11
Gene No.	29734	Strand	-
Start	1872	End	2520
Name	OJ991021_06.0218.C11.o1.gs	Method	GENSCAN
Start	1872	End	2520
GI	none	Score	.95
Exons	1872..2032, 2514..2520		

Seq. No.	13924	Seq. ID	OJ991021_06.0218.C12
Gene No.	29735	Strand	+
Start	433	End	3118
Name	OJ991021_06.0218.C12.o1.gs	Method	GENSCAN
Start	433	End	2534
GI	none	Score	.74
Exons	433..2092, 2167..2534		

Seq. No.	13924	Seq. ID	OJ991021_06.0218.C12
Gene No.	29735	Strand	+
Start	433	End	3118
Name	OJ991021_06.0218.C12.o1.np	Method	AAT/NAP
Start	436	End	3118
GI	6016874	Score	1143
Exons	436..508, 547..667, 732..972, 1363..1522, 1913..2092, 2197..2526, 2929..3118		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	13924	Seq. ID	OJ991021_06.0218.C12
Gene No.	29735	Strand	+
Start	433	End	3118
Name	OJ991021_06.0218.C12.o3.tm	Method	TBLASTX:Maize
Start	792	End	1053
GI	none	Score	64
Exons	792..992, 795..1046, 814..1053		

Seq. No.	13924	Seq. ID	OJ991021_06.0218.C12
Gene No.	29735	Strand	+
Start	433	End	3118
Name	OJ991021_06.0218.C12.o2.tm	Method	TBLASTX:Maize
Start	1055	End	1926
GI	none	Score	146
Exons	1055..1171, 1081..1311, 1330..1449, 1522..1626, 1660..1806, 1807..1926		

Seq. No.	13924	Seq. ID	OJ991021_06.0218.C12
Gene No.	29735	Strand	+
Start	433	End	3118
Name	OJ991021_06.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	2234	End	2468
GI	none	Score	297
Exons	2234..2365, 2235..2468		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29736	Strand	+
Start	236	End	5299
Name	OJ991021_06.0218.C13.o1.gs	Method	GENSCAN
Start	236	End	5299
GI	none	Score	.82
Exons	236..264, 357..484, 581..862, 1633..1749, 1909..1931, 2284..2493, 3229..3376, 3552..4540, 5192..5299		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29736	Strand	+
Start	236	End	5299
Name	OJ991021_06.0218.C13.o1.gp	Method	AAT/GAP
Start	581	End	2019
GI	none	Score	1059
Exons	581..753, 841..862, 1666..2019		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29736	Strand	+
Start	236	End	5299
Name	OJ991021_06.0218.C13.o2.np	Method	AAT/NAP
Start	1604	End	4518
GI	2244816	Score	951
Exons	1604..1628, 3296..3421, 3537..4518		
GI Descrip.	(Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29737	Strand	-
Start	5158	End	6964
Name	OJ991021_06.0218.C13.o1.ts	Method	TBLASTX:Soybean
Start	3355	End	4324
GI	none	Score	108
Exons	3355..3483, 3362..3484, 3542..3688, 3544..3684, 3752..3922, 3764..4156, 3774..3932, 3823..4155, 4091..4243, 4105..4242, 4106..4237, 4250..4324		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29737	Strand	-
Start	5158	End	6964
Name	OJ991021_06.0218.C13.o1.tm	Method	TBLASTX:Maize
Start	3773	End	4249
GI	none	Score	54
Exons	3773..3868, 3878..3994, 3922..4188, 3925..4179, 3926..4207, 3932..4207, 4142..4249		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29737	Strand	-
Start	5158	End	6964
Name	OJ991021_06.0218.C13.o2.tm	Method	TBLASTX:Maize

Start	4273	End	4537
GI	none	Score	288
Exons	4273..4299, 4298..4537, 4300..4530, 4365..4532		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29737	Strand	-
Start	5158	End	6964
Name	OJ991021_06.0218.C13.o2.ts	Method	TBLASTX:Soybean
Start	4403	End	4612
GI	none	Score	246
Exons	4403..4612, 4414..4611		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29737	Strand	-
Start	5158	End	6964
Name	OJ991021_06.0218.C13.o3.np	Method	AAT/NAP
Start	5158	End	6964
GI	6330157	Score	292
Exons	5158..5225, 6290..6576, 6621..6964		
GI Descrip.	(AB032986) KIAA1160 protein [Homo sapiens]		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29737	Strand	-
Start	5158	End	6964
Name	OJ991021_06.0218.C13.o3.tm	Method	TBLASTX:Maize
Start	6229	End	6625
GI	none	Score	36
Exons	6229..6258, 6259..6441, 6290..6448, 6298..6372, 6303..6446, 6570..6593, 6596..6625		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29737	Strand	-
Start	5158	End	6964
Name	OJ991021_06.0218.C13.o2.gs	Method	GENSCAN
Start	6302	End	6910
GI	none	Score	.61
Exons	6302..6535, 6601..6750, 6782..6910		

Seq. No.	13925	Seq. ID	OJ991021_06.0218.C13
Gene No.	29737	Strand	-
Start	5158	End	6964
Name	OJ991021_06.0218.C13.o4.tm	Method	TBLASTX:Maize
Start	6751	End	6919
GI	none	Score	147
Exons	6751..6849, 6751..6846, 6753..6878, 6753..6848, 6851..6919, 6852..6917		

Seq. No.	13926	Seq. ID	OJ991021_06.0218.C16
Gene No.	29738	Strand	-
Start	2354	End	3048
Name	OJ991021_06.0218.C16.o1.tm	Method	TBLASTX:Maize
Start	2349	End	2979
GI	none	Score	215
Exons	2349..2549, 2351..2593, 2360..2548, 2618..2668, 2622..2672, 2843..2974, 2856..2975, 2857..2979, 2862..2975		

Seq. No.	13926	Seq. ID	OJ991021_06.0218.C16

Gene No.	29738	Strand	-
Start	2354	End	3048
Name	OJ991021_06.0218.C16.o1.gs	Method	GENSCAN
Start	2354	End	2973
GI	none	Score	.77
Exons	2354..2530, 2618..2663, 2858..2973		

Seq. No.	13926	Seq. ID	OJ991021_06.0218.C16
Gene No.	29738	Strand	-
Start	2354	End	3048
Name	OJ991021_06.0218.C16.o1.np	Method	AAT/NAP
Start	2366	End	3048
GI	3021508	Score	414
Exons	2366..2530, 2618..2663, 2858..3048		
GI Descrip.	(AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]		

Seq. No.	13926	Seq. ID	OJ991021_06.0218.C16
Gene No.	29738	Strand	-
Start	2354	End	3048
Name	OJ991021_06.0218.C16.o1.ts	Method	TBLASTX:Soybean
Start	2366	End	2979
GI	none	Score	118
Exons	2366..2548, 2367..2531, 2618..2668, 2619..2672, 2857..2979, 2858..2974		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29739	Strand	+
Start	4822	End	9444
Name	OJ991021_06.0218.C17.o2.np	Method	AAT/NAP
Start	4822	End	9444
GI	5091513	Score	2359
Exons	4822..4885, 6389..7791, 8534..9444		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29739	Strand	+
Start	4822	End	9444
Name	OJ991021_06.0218.C17.o2.gp	Method	AAT/GAP
Start	5798	End	6049
GI	3761181	Score	430
Exons	5798..6049		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o1.np	Method	AAT/NAP
Start	1	End	3133
GI	3021508	Score	1042
Exons	1..226, 356..427, 744..780, 1170..1228, 1405..1473, 1549..1706, 2172..2358, 2428..2476, 2633..2718, 2967..3133		
GI Descrip.	(AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316

Name	OJ991021_06.0218.C17.o1.tm	Method	TBLASTX:Maize
Start	39	End	2225
GI	none	Score	206
Exons	39..227, 59..229, 78..227, 79..309, 83..256, 338..433, 344..433, 345..437, 354..437, 741..779, 742..780, 744..821, 1156..1248, 1163..1234, 1277..1303, 1399..1473, 1406..1474, 1406..1474, 1546..1707, 1547..1600, 1549..1692, 1554..1709, 2164..2223, 2171..2224, 2172..2225		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o2.tc	Method	TBLASTX:Cress
Start	59	End	1234
GI	none	Score	40
Exons	59..229, 76..96, 78..227, 130..234, 344..433, 351..428, 741..779, 1163..1234		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o1.gp	Method	AAT/GAP
Start	78	End	462
GI	LIB3434-013-P1-K1-C10	Score	396
Exons	78..226, 356..462		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o1.gs	Method	GENSCAN
Start	101	End	6316
GI	none	Score	.78
Exons	101..226, 356..427, 744..780, 1170..1228, 1549..1706, 2253..2358, 2428..2476, 2633..2718, 2967..3028, 6019..6316		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o1.tw	Method	TBLASTX:Wheat
Start	167	End	1677
GI	none	Score	80
Exons	167..229, 168..227, 344..433, 345..437, 741..779, 742..780, 744..821, 1163..1234, 1171..1272, 1399..1473, 1406..1474, 1430..1474, 1546..1677, 1549..1677		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o1.ts	Method	TBLASTX:Soybean
Start	172	End	3060
GI	none	Score	51
Exons	172..234, 173..229, 348..431, 349..432, 353..433, 741..779, 1163..1234, 1395..1466, 1399..1473, 1406..1474, 1546..1695, 1549..1695, 1568..1702, 2176..2373, 2177..2371, 2632..2718, 2633..2731, 2652..2750, 2967..3059, 2968..3060		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o1.tc	Method	TBLASTX:Cress
Start	1391	End	1719
GI	none	Score	83
Exons	1391..1474, 1402..1497, 1543..1719, 1546..1695		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o2.tw	Method	TBLASTX:Wheat
Start	2172	End	2677
GI	none	Score	119
Exons	2172..2279, 2173..2274, 2174..2323, 2269..2373, 2276..2374, 2419..2481, 2429..2482, 2624..2677		

Seq. No.	13927	Seq. ID	OJ991021_06.0218.C17
Gene No.	29740	Strand	-
Start	1	End	6316
Name	OJ991021_06.0218.C17.o2.tm	Method	TBLASTX:Maize
Start	2227	End	3172
GI	none	Score	162
Exons	2227..2373, 2228..2371, 2416..2478, 2419..2481, 2426..2482, 2624..2719, 2632..2718, 2634..2720, 2945..3064, 2960..3064, 2967..3065, 2968..3066, 3068..3169, 3075..3167, 3146..3172		

Seq. No.	13928	Seq. ID	OJ991021_06.0218.C18
Gene No.	29741	Strand	-
Start	431	End	577
Name	OJ991021_06.0218.C18.o1.gs	Method	GENSCAN
Start	431	End	577
GI	none	Score	.52
Exons	431..577		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29742	Strand	+
Start	1	End	5335
Name	OJ991021_06.0218.C19.o1.gp	Method	AAT/GAP
Start	1	End	86
GI	3761181	Score	136
Exons	1..86		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29742	Strand	+
Start	1	End	5335
Name	OJ991021_06.0218.C19.o1.np	Method	AAT/NAP
Start	1	End	4037
GI	2130121	Score	107
Exons	1..48, 1417..2028, 3941..4037		
GI Descrip.	cyclin II - maize gi|516550 (U10077) cyclin IIZm [Zea mays]		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29742	Strand	+

Start	1	End	5335
Name	OJ991021_06.0218.C19.o1.gs	Method	GENSCAN
Start	966	End	2259
GI	none	Score	.52
Exons	966..1078, 1212..2259		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29742	Strand	+
Start	1	End	5335
Name	OJ991021_06.0218.C19.o2.gs	Method	GENSCAN
Start	3401	End	5055
GI	none	Score	.96
Exons	3401..3700, 3817..3954, 4067..4153, 4650..4863, 4940..5055		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29742	Strand	+
Start	1	End	5335
Name	OJ991021_06.0218.C19.o2.np	Method	AAT/NAP
Start	3532	End	4793
GI	6728875	Score	434
Exons	3532..3700, 3817..3954, 4067..4153, 4251..4298, 4650..4793		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29742	Strand	+
Start	1	End	5335
Name	OJ991021_06.0218.C19.o2.gp	Method	AAT/GAP
Start	4650	End	5335
GI	37294_1.R1084	Score	1027
Exons	4650..4863, 5007..5335		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o2.tm	Method	TBLASTX:Maize
Start	3598	End	4144
GI	none	Score	129
Exons	3598..3660, 3620..3703, 3622..3699, 3635..3703, 3814..3873, 3816..3956, 3817..3954, 4046..4144, 4059..4142, 4064..4144		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o2.ts	Method	TBLASTX:Soybean
Start	3611	End	4301
GI	none	Score	113
Exons	3611..3703, 3634..3699, 3798..3956, 3799..3954, 4064..4153, 4099..4155, 4244..4300, 4251..4301		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o2.tc	Method	TBLASTX:Cress
Start	3614	End	4301
GI	none	Score	114

Exons	3614..3703, 3634..3699, 3799..3954, 3816..3956, 4064..4153, 4067..4207, 4251..4301		
Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o3.gp	Method	AAT/GAP
Start	5523	End	6481
GI	78815_1.R1084	Score	1248
Exons	5523..5961, 6076..6244, 6340..6481		
GI Descrip.	'2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]'		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o1.ts	Method	TBLASTX:Soybean
Start	5766	End	9820
GI	none	Score	146
Exons	5766..5960, 5784..5948, 5791..5961, 5803..5961, 6072..6245, 6078..6245, 6079..6246, 6082..6255, 6341..6451, 6342..6449, 6508..6735, 6511..6732, 6512..6820, 6582..6737, 6824..6973, 6827..6982, 6829..6975, 7022..7144, 7057..7146, 7057..7149, 9551..9820		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o1.tm	Method	TBLASTX:Maize
Start	5779	End	9886
GI	none	Score	229
Exons	5779..5961, 5784..5960, 5787..5963, 5791..5961, 6058..6243, 6058..6243, 6075..6245, 6339..6449, 6341..6451, 6341..6451, 6354..6476, 6508..6735, 6512..6733, 6825..6920, 6827..6973, 6829..6975, 7025..7144, 7051..7146, 7056..7145, 7057..7149, 9551..9886, 9566..9694, 9669..9794		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o1.tc	Method	TBLASTX:Cress
Start	5787	End	6742
GI	none	Score	256
Exons	5787..5963, 5788..5961, 6066..6245, 6075..6245, 6076..6246, 6338..6397, 6341..6451, 6342..6449, 6508..6696, 6512..6697, 6582..6710, 6701..6742, 6706..6732		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o3.gs	Method	GENSCAN
Start	5787	End	11625
GI	none	Score	.56
Exons	5787..5961, 6076..6244, 6340..6448, 6514..6733, 6827..6972, 7057..7147, 9576..9838, 11125..11625		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19

Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o3.np	Method	AAT/NAP
Start	5790	End	9829
GI	4678261	Score	1425
Exons	5790..5961, 6076..6297, 6334..6448, 6514..6733, 6827..6972, 7057..7147, 9576..9829		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o1.tw	Method	TBLASTX:Wheat
Start	6589	End	6880
GI	none	Score	195
Exons	6589..6732, 6590..6736, 6819..6875, 6829..6876, 6833..6880		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o3.tc	Method	TBLASTX:Cress
Start	6817	End	9823
GI	none	Score	126
Exons	6817..6951, 6824..6973, 6826..6975, 6827..6982, 7025..7144, 7048..7146, 7057..7149, 7070..7150, 9551..9823		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o4.gp	Method	AAT/GAP
Start	7061	End	9900
GI	82047_1.R1084	Score	708
Exons	7061..7147, 9576..9900		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	13929	Seq. ID	OJ991021_06.0218.C19
Gene No.	29743	Strand	-
Start	5523	End	11625
Name	OJ991021_06.0218.C19.o4.np	Method	AAT/NAP
Start	8672	End	10385
GI	499014	Score	103
Exons	8672..8708, 10238..10385		
GI Descrip.	(X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi|1395188|dbj|BAA10942| (D64067) ABC-type heme transporter subunit [Oryza sativa]		

Seq. No.	13930	Seq. ID	OJ991021_06.0218.C20
Gene No.	29744	Strand	-
Start	1	End	1926
Name	OJ991021_06.0218.C20.o1.np	Method	AAT/NAP
Start	1	End	1926
GI	4584525	Score	248
Exons	1..70, 173..317, 780..915, 1008..1113, 1622..1688, 1810..1926		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	13930	Seq. ID	OJ991021_06.0218.C20
Gene No.	29745	Strand	-
Start	16348	End	18453
Name	OJ991021_06.0218.C20.o1.ts	Method	TBLASTX:Soybean
Start	5153	End	5768
GI	none	Score	66
Exons	5153..5242, 5242..5304, 5372..5464, 5373..5456, 5461..5505, 5511..5576, 5512..5565, 5667..5768		

Seq. No.	13930	Seq. ID	OJ991021_06.0218.C20
Gene No.	29745	Strand	-
Start	16348	End	18453
Name	OJ991021_06.0218.C20.o2.tm	Method	TBLASTX:Maize
Start	12793	End	12909
GI	none	Score	185
Exons	12793..12903, 12799..12909		

Seq. No.	13930	Seq. ID	OJ991021_06.0218.C20
Gene No.	29745	Strand	-
Start	16348	End	18453
Name	OJ991021_06.0218.C20.o1.tw	Method	TBLASTX:Wheat
Start	13963	End	14279
GI	none	Score	199
Exons	13963..14217, 14037..14216, 14232..14279		

Seq. No.	13930	Seq. ID	OJ991021_06.0218.C20
Gene No.	29745	Strand	-
Start	16348	End	18453
Name	OJ991021_06.0218.C20.o1.tm	Method	TBLASTX:Maize
Start	14360	End	14656
GI	none	Score	200
Exons	14360..14656, 14365..14508		

Seq. No.	13930	Seq. ID	OJ991021_06.0218.C20
Gene No.	29745	Strand	-
Start	16348	End	18453
Name	OJ991021_06.0218.C20.o2.np	Method	AAT/NAP
Start	15916	End	18453
GI	4505999	Score	134
Exons	15916..15936, 17383..17475, 17568..17644, 17752..17806, 17858..17929, 18032..18142, 18429..18453		
GI Descrip.	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform gi|3122589|sp|O15355|P2CG_HUMAN PROTEIN PHOSPHATASE 2C GAMMA ISOFORM (PP2C-GAMMA) (PROTEIN PHOSPHATASE 1C) gi|2315202|emb|CAA74245| (Y13936) protein phosphatase 2C gamma [Homo sapiens]		

Seq. No.	13930	Seq. ID	OJ991021_06.0218.C20
Gene No.	29745	Strand	-
Start	16348	End	18453
Name	OJ991021_06.0218.C20.o1.gp	Method	AAT/GAP
Start	16178	End	16624
GI	3761484	Score	793
Exons	16178..16624		

Seq. No.	13930	Seq. ID	OJ991021_06.0218.C20

Gene No.	29745	Strand	-
Start	16348	End	18453
Name	OJ991021_06.0218.C20.o3.gs	Method	GENSCAN
Start	16348	End	18151
GI	none	Score	.93
Exons	16348..16845, 17217..17268, 17423..17475, 17568..17644, 17896..17929, 18032..18151		

Seq. No.	13931	Seq. ID	OJ991021_06.0218.C21
Gene No.	29746	Strand	+
Start	516	End	1399
Name	OJ991021_06.0218.C21.o1.gs	Method	GENSCAN
Start	516	End	1399
GI	none	Score	.9
Exons	516..609, 1053..1193, 1281..1399		

Seq. No.	13932	Seq. ID	OJ991021_06.0218.C22
Gene No.	29747	Strand	-
Start	253	End	7984
Name	OJ991021_06.0218.C22.o1.gs	Method	GENSCAN
Start	253	End	7902
GI	none	Score	.62
Exons	253..405, 841..962, 1877..1912, 2096..2161, 2879..2954, 3190..3338, 3916..4081, 4151..4242, 6449..6817, 7842..7902		

Seq. No.	13932	Seq. ID	OJ991021_06.0218.C22
Gene No.	29747	Strand	-
Start	253	End	7984
Name	OJ991021_06.0218.C22.o1.ts	Method	TBLASTX:Soybean
Start	1789	End	2319
GI	none	Score	68
Exons	1789..1905, 1789..1914, 1995..2225, 1996..2184, 2296..2319		

Seq. No.	13932	Seq. ID	OJ991021_06.0218.C22
Gene No.	29747	Strand	-
Start	253	End	7984
Name	OJ991021_06.0218.C22.o1.gp	Method	AAT/GAP
Start	1883	End	3321
GI	LIB3477-002-P1-K1-D5	Score	860
Exons	1883..1912, 1996..2161, 2306..2356, 2457..2547, 3190..3321		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	13932	Seq. ID	OJ991021_06.0218.C22
Gene No.	29747	Strand	-
Start	253	End	7984
Name	OJ991021_06.0218.C22.o1.np	Method	AAT/NAP
Start	3801	End	7984
GI	5777623	Score	1245
Exons	3801..3898, 5387..5629, 6436..6944, 7124..7261, 7512..7691, 7948..7984		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	13932	Seq. ID	OJ991021_06.0218.C22
Gene No.	29747	Strand	-
Start	253	End	7984
Name	OJ991021_06.0218.C22.o2.gp	Method	AAT/GAP

Start	4260	End	4756
GI	38782_1.R1084	Score	806
Exons	4260..4756		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	13933	Seq. ID	OJ991021_06.0218.C23
Gene No.	29748	Strand	+
Start	7910	End	10793
Name	OJ991021_06.0218.C23.o1.gp	Method	AAT/GAP
Start	7910	End	10793
GI	none	Score	1210
Exons	7910..7942, 8576..8769, 9586..9636, 10013..10083, 10173..10327, 10568..10793		

Seq. No.	13933	Seq. ID	OJ991021_06.0218.C23
Gene No.	29748	Strand	+
Start	7910	End	10793
Name	OJ991021_06.0218.C23.o2.gs	Method	GENSCAN
Start	9141	End	10250
GI	none	Score	.78
Exons	9141..9165, 9586..9636, 10168..10250		

Seq. No.	13933	Seq. ID	OJ991021_06.0218.C23
Gene No.	29749	Strand	-
Start	202	End	6962
Name	OJ991021_06.0218.C23.o1.gs	Method	GENSCAN
Start	202	End	6962
GI	none	Score	.41
Exons	202..1231, 1592..1847, 2477..2546, 2874..3056, 3248..3398, 3430..3970, 4280..4691, 5841..6962		

Seq. No.	13933	Seq. ID	OJ991021_06.0218.C23
Gene No.	29749	Strand	-
Start	202	End	6962
Name	OJ991021_06.0218.C23.o1.np	Method	AAT/NAP
Start	2816	End	4044
GI	5922636	Score	474
Exons	2816..2954, 3248..3482, 3966..4044		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13933	Seq. ID	OJ991021_06.0218.C23
Gene No.	29750	Strand	-
Start	11237	End	11845
Name	OJ991021_06.0218.C23.o1.tm	Method	TBLASTX:Maize
Start	8575	End	10261
GI	none	Score	279
Exons	8575..8766, 8576..8770, 8577..8771, 9588..9644, 10011..10058, 10170..10259, 10170..10250, 10172..10261		

Seq. No.	13933	Seq. ID	OJ991021_06.0218.C23
Gene No.	29750	Strand	-
Start	11237	End	11845

Name	OJ991021_06.0218.C23.o3.gs	Method	GENSCAN
Start	11237	End	11845
GI	none	Score	.84
Exons	11237..11845		

Seq. No.	13934	Seq. ID	OJ991021_06.0218.C24
Gene No.	29751	Strand	-
Start	444	End	510
Name	OJ991021_06.0218.C24.o1.gs	Method	GENSCAN
Start	444	End	510
GI	none	Score	.55
Exons	444..510		

Seq. No.	13935	Seq. ID	OJ991021_06.0218.C25
Gene No.	29752	Strand	+
Start	9	End	459
Name	OJ991021_06.0218.C25.o1.gp	Method	AAT/GAP
Start	9	End	459
GI	4715481	Score	819
Exons	9..459		

Seq. No.	13935	Seq. ID	OJ991021_06.0218.C25
Gene No.	29753	Strand	-
Start	324	End	403
Name	OJ991021_06.0218.C25.o1.gs	Method	GENSCAN
Start	324	End	403
GI	none	Score	.85
Exons	324..403		

Seq. No.	13936	Seq. ID	OJ991021_06.0218.C26
Gene No.	29754	Strand	+
Start	1	End	1007
Name	OJ991021_06.0218.C26.o1.np	Method	AAT/NAP
Start	1	End	1007
GI	462137	Score	371
Exons	1..157, 263..360, 737..1007		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC		

Seq. No.	13936	Seq. ID	OJ991021_06.0218.C26
Gene No.	29754	Strand	+
Start	1	End	1007
Name	OJ991021_06.0218.C26.o1.tc	Method	TBLASTX:Cress
Start	88	End	880
GI	none	Score	101
Exons	88..156, 96..155, 258..359, 259..360, 305..361, 726..812, 735..878, 736..879, 737..880		

Seq. No.	13936	Seq. ID	OJ991021_06.0218.C26
Gene No.	29754	Strand	+
Start	1	End	1007
Name	OJ991021_06.0218.C26.o2.ts	Method	TBLASTX:Soybean
Start	88	End	360
GI	none	Score	82
Exons	88..156, 95..175, 258..359, 259..360		

Seq. No.	13936	Seq. ID	OJ991021_06.0218.C26
Gene No.	29754	Strand	+

Start	1	End	1007
Name	OJ991021_06.0218.C26.o1.tm	Method	TBLASTX:Maize
Start	88	End	880
GI	none	Score	101
Exons	88..156, 95..175, 258..359, 259..360, 308..361, 735..878, 735..872, 736..879, 737..880		

Seq. No.	13936	Seq. ID	OJ991021_06.0218.C26
Gene No.	29754	Strand	+
Start	1	End	1007
Name	OJ991021_06.0218.C26.o1.gs	Method	GENSCAN
Start	97	End	879
GI	none	Score	.98
Exons	97..157, 263..360, 737..879		

Seq. No.	13936	Seq. ID	OJ991021_06.0218.C26
Gene No.	29754	Strand	+
Start	1	End	1007
Name	OJ991021_06.0218.C26.o1.tw	Method	TBLASTX:Wheat
Start	111	End	880
GI	none	Score	67
Exons	111..152, 111..155, 112..156, 113..175, 258..356, 259..360, 305..361, 726..878, 726..872, 733..879, 736..879, 737..880		

Seq. No.	13936	Seq. ID	OJ991021_06.0218.C26
Gene No.	29754	Strand	+
Start	1	End	1007
Name	OJ991021_06.0218.C26.o1.gp	Method	AAT/GAP
Start	250	End	879
GI	407_2.R1084	Score	424
Exons	250..360, 737..879		
GI Descrip.	'120668/sp|P08477|G3PC_HORVU 1.0e-75 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC >gi_82399_pir__A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) >gi_167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] >gi_225347_prf__1301218A dehydrogenase,glyceraldehydephosphate [Hordeum vulgare var. distichum]'		

Seq. No.	13936	Seq. ID	OJ991021_06.0218.C26
Gene No.	29754	Strand	+
Start	1	End	1007
Name	OJ991021_06.0218.C26.o1.ts	Method	TBLASTX:Soybean
Start	736	End	880
GI	none	Score	216
Exons	736..879, 737..880		

Seq. No.	13937	Seq. ID	OJ991021_06.0218.C27
Gene No.	29755	Strand	+
Start	1	End	588
Name	OJ991021_06.0218.C27.o1.np	Method	AAT/NAP
Start	1	End	588
GI	5091513	Score	832
Exons	1..588		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13937	Seq. ID	OJ991021_06.0218.C27

Gene No.	29755	Strand	+
Start	1	End	588
Name	OJ991021_06.0218.C27.o1.gs	Method	GENSCAN
Start	110	End	557
GI	none	Score	.54
Exons	110..557		

Seq. No.	13938	Seq. ID	OJ991021_06.0218.C28
Gene No.	29756	Strand	+
Start	1	End	1024
Name	OJ991021_06.0218.C28.o1.np	Method	AAT/NAP
Start	1	End	1024
GI	5091513	Score	825
Exons	1..1024		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13938	Seq. ID	OJ991021_06.0218.C28
Gene No.	29756	Strand	+
Start	1	End	1024
Name	OJ991021_06.0218.C28.o1.gs	Method	GENSCAN
Start	90	End	1013
GI	none	Score	.84
Exons	90..806, 823..1013		

Seq. No.	13939	Seq. ID	OJ991021_06.0218.C29
Gene No.	29757	Strand	+
Start	218	End	848
Name	OJ991021_06.0218.C29.o1.gs	Method	GENSCAN
Start	218	End	848
GI	none	Score	.59
Exons	218..286, 359..396, 806..848		

Seq. No.	13940	Seq. ID	OJ991021_06.0218.C30
Gene No.	29758	Strand	+
Start	97	End	4012
Name	OJ991021_06.0218.C30.o1.gs	Method	GENSCAN
Start	97	End	4012
GI	none	Score	.77
Exons	97..287, 1731..1869, 1956..2096, 2205..2329, 3576..3823, 3902..4012		

Seq. No.	13940	Seq. ID	OJ991021_06.0218.C30
Gene No.	29759	Strand	-
Start	1197	End	1288
Name	OJ991021_06.0218.C30.o1.gp	Method	AAT/GAP
Start	1197	End	1288
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	1197..1288		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13941	Seq. ID	OJ991021_06.0218.C31
Gene No.	29760	Strand	-
Start	277	End	564
Name	OJ991021_06.0218.C31.o1.gs	Method	GENSCAN
Start	277	End	564

GI	none	Score	.88
Exons	277..564		

Seq. No.	13942	Seq. ID	OJ991021_06.0218.C32
Gene No.	29761	Strand	-
Start	1	End	405
Name	OJ991021_06.0218.C32.o1.gp	Method	AAT/GAP
Start	1	End	405
GI	4715481	Score	799
Exons	1..405		

Seq. No.	13943	Seq. ID	OJ990421_21.0211.C1
Gene No.	29762	Strand	-
Start	133	End	219
Name	OJ990421_21.0211.C1.o1.gs	Method	GENSCAN
Start	133	End	219
GI	none	Score	.9
Exons	133..219		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29763	Strand	+
Start	1	End	7223
Name	OJ990421_21.0211.C2.o1.np	Method	AAT/NAP
Start	1	End	1889
GI	6815072	Score	1053
Exons	1..1019, 1084..1889		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29763	Strand	+
Start	1	End	7223
Name	OJ990421_21.0211.C2.o1.gs	Method	GENSCAN
Start	122	End	7223
GI	none	Score	.6
Exons	122..1086, 1244..1437, 2066..2251, 2334..2436, 2961..3081, 3173..3236, 3250..3327, 3483..3674, 3702..3940, 4042..4121, 4214..4294, 4516..4583, 6979..7223		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29763	Strand	+
Start	1	End	7223
Name	OJ990421_21.0211.C2.o1.gp	Method	AAT/GAP
Start	4206	End	4754
GI	2800439	Score	786
Exons	4206..4294, 4360..4754		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o6.tm	Method	TBLASTX:Maize
Start	65	End	484
GI	none	Score	72
Exons	65..133, 269..484		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+

Start	7899	End	9132
Name	OJ990421_21.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	627	End	1084
GI	none	Score	95
Exons	627..818, 629..1084, 632..820, 760..996, 875..1081		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o4.tm	Method	TBLASTX:Maize
Start	1347	End	1688
GI	none	Score	161
Exons	1347..1595, 1614..1688		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o2.ts	Method	TBLASTX:Soybean
Start	1614	End	1796
GI	none	Score	196
Exons	1614..1796, 1616..1792		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o2.tm	Method	TBLASTX:Maize
Start	2658	End	3661
GI	none	Score	72
Exons	2658..2723, 2799..2891, 2800..2859, 3193..3336, 3227..3295, 3412..3531, 3416..3532, 3517..3657, 3545..3661		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o1.tc	Method	TBLASTX:Cress
Start	7815	End	8333
GI	none	Score	151
Exons	7815..8021, 8029..8163, 8171..8239, 8247..8333		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o3.tm	Method	TBLASTX:Maize
Start	7815	End	8106
GI	none	Score	155
Exons	7815..8015, 7859..8008, 8029..8106, 8031..8105		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o2.np	Method	AAT/NAP
Start	7854	End	9132
GI	4972051	Score	262
Exons	7854..8373, 9108..9132		
GI Descrip.	(AL078470) serine/threonine-specific kinase like protein [Arabidopsis thaliana]		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o2.gs	Method	GENSCAN
Start	7899	End	8687
GI	none	Score	.85
Exons	7899..8333, 8580..8687		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	8380	End	8752
GI	none	Score	53
Exons	8380..8418, 8573..8617, 8585..8635, 8615..8752, 8615..8746		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o5.tm	Method	TBLASTX:Maize
Start	8380	End	8752
GI	none	Score	53
Exons	8380..8418, 8573..8617, 8585..8635, 8615..8752, 8615..8746		

Seq. No.	13944	Seq. ID	OJ990421_21.0211.C2
Gene No.	29764	Strand	+
Start	7899	End	9132
Name	OJ990421_21.0211.C2.o3.np	Method	AAT/NAP
Start	8587	End	8857
GI	4455206	Score	112
Exons	8587..8857		
GI Descrip.	(AL035440) putative beta-1, 3-glucanase [Arabidopsis thaliana]		

Seq. No.	13945	Seq. ID	OJ990421_21.0211.C3
Gene No.	29765	Strand	+
Start	1	End	10294
Name	OJ990421_21.0211.C3.o1.np	Method	AAT/NAP
Start	1	End	10294
GI	5852180	Score	388
Exons	1..27, 3564..3627, 4603..4721, 4773..5174, 10259..10294		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13945	Seq. ID	OJ990421_21.0211.C3
Gene No.	29765	Strand	+
Start	1	End	10294
Name	OJ990421_21.0211.C3.o2.gs	Method	GENSCAN
Start	5424	End	9246
GI	none	Score	.52
Exons	5424..5477, 7051..7124, 7864..7964, 8989..9056, 9172..9246		

Seq. No.	13945	Seq. ID	OJ990421_21.0211.C3
Gene No.	29766	Strand	-
Start	79	End	1667
Name	OJ990421_21.0211.C3.o1.gp	Method	AAT/GAP
Start	79	End	1667
GI	3090611	Score	330
Exons	79..219, 1560..1667		

Seq. No.	13945	Seq. ID	OJ990421_21.0211.C3
Gene No.	29767	Strand	-
Start	1991	End	3857
Name	OJ990421_21.0211.C3.o1.gs	Method	GENSCAN
Start	1991	End	3679
GI	none	Score	.66
Exons	1991..2386,3608..3679		

Seq. No.	13945	Seq. ID	OJ990421_21.0211.C3
Gene No.	29767	Strand	-
Start	1991	End	3857
Name	OJ990421_21.0211.C3.o2.gp	Method	AAT/GAP
Start	3476	End	3857
GI	uC-osflcyp033a04b1	Score	655
Exons	3476..3857		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13945	Seq. ID	OJ990421_21.0211.C3
Gene No.	29768	Strand	-
Start	11118	End	11303
Name	OJ990421_21.0211.C3.o3.gp	Method	AAT/GAP
Start	11118	End	11303
GI	LIB3434-015-P1-K1-A6	Score	352
Exons	11118..11303		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-16 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29769	Strand	+
Start	13150	End	13233
Name	OJ990421_21.0211.C4.o5.gp	Method	AAT/GAP
Start	13150	End	13233
GI	99002_1.R1084	Score	110
Exons	13150..13233		
GI Descrip.	'287392/dbj|D13112|RICMT16 0.0e+00 Oryza sativa mitochondrial gene for tRNAs, complete sequences'		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29770	Strand	+
Start	13232	End	13382
Name	OJ990421_21.0211.C4.o6.gp	Method	AAT/GAP
Start	13232	End	13382
GI	0_2.R1084	Score	253
Exons	13232..13382		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29771	Strand	-
Start	44	End	548
Name	OJ990421_21.0211.C4.o1.gp	Method	AAT/GAP
Start	44	End	548
GI	LIB3434-015-P1-K1-A6	Score	937
Exons	44..548		

GI Descrip. '6041757/gb|AC011806.1|AC011806 2.0e-16 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	3415	End	8795
GI	none	Score	70
Exons	3415..3573, 3417..3572, 3603..3704, 3604..3687, 3609..3686, 3789..3980, 3794..4048, 4164..4340, 4165..4323, 4484..4705, 4485..4670, 4929..5063, 4944..5063, 6064..6147, 6089..6139, 6726..6953, 6745..6990, 6753..7043, 7186..7521, 7193..7333, 7373..7522, 7721..7786, 8151..8288, 8400..8486, 8415..8492, 8634..8795		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	3420	End	9279
GI	none	Score	42
Exons	3420..3563, 3603..3689, 3634..3687, 3789..3902, 3794..4048, 3803..4000, 4161..4340, 4192..4323, 4446..4694, 4484..4693, 4929..5063, 6064..6147, 6065..6148, 6750..6899, 6757..6897, 6758..6898, 9100..9279		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o2.gs	Method	GENSCAN
Start	3420	End	18276
GI	none	Score	.72
Exons	3420..3689, 3794..3930, 3978..3978, 4167..4338, 4924..5057, 6756..7046, 7189..7521, 7718..7791, 7865..8002, 8144..8297, 8355..8497, 8633..8780, 9984..10265, 10832..10983, 11577..11667, 11769..11822, 13318..13451, 13733..13831, 17179..17339, 17672..18276		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	3420	End	6147
GI	none	Score	88
Exons	3420..3563, 3421..3561, 3561..3692, 3604..3687, 3800..4048, 3801..3974, 4016..4042, 4161..4340, 4192..4332, 4476..4688, 4484..4690, 4929..5063, 4954..5064, 6064..6147		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o1.np	Method	AAT/NAP
Start	3423	End	18228
GI	6729499	Score	3809
Exons	3423..3689, 3794..4048, 4167..4338, 4476..4703, 4924..5057,		

	6064..6147, 6756..7046, 7189..7521, 7718..7791, 7865..8002, 8144..8297, 8394..8497, 8633..8793, 9128..9441, 9984..10265, 10832..11133, 11577..11667, 11769..11822, 17015..17091, 17179..17338, 17508..17592, 17672..18228		
GI Descrip.	(AL132966) ABC transporter-like protein [Arabidopsis thaliana]		
Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	3603	End	8492
GI	none	Score	61
Exons	3603..3704, 3791..4042, 3851..4051, 8415..8492		
Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o2.gp	Method	AAT/GAP
Start	3788	End	4303
GI	LIB3433-025-P1-K1-B4	Score	729
Exons	3788..4048, 4167..4303		
GI Descrip.	'5080820/gb|AAD39329.1|AC007258_18 3.0e-37 (AC007258) Putative ABC transporter [Arabidopsis thaliana]'		
Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o2.tw	Method	TBLASTX:Wheat
Start	4476	End	11011
GI	none	Score	107
Exons	4476..4706, 4484..4690, 4919..5059, 4923..5063, 4924..5064, 6064..6147, 6726..6884, 6750..6884, 6751..6885, 10910..11011		
Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o5.tm	Method	TBLASTX:Maize
Start	6745	End	6909
GI	none	Score	150
Exons	6745..6909, 6752..6895, 6753..6908		
Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o2.tc	Method	TBLASTX:Cress
Start	6900	End	17284
GI	none	Score	115
Exons	6900..7043, 6901..6990, 7207..7521, 7208..7522, 7721..7786, 17207..17284		
Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	6942	End	7786
GI	none	Score	80
Exons	6942..7043, 6946..6996, 7186..7521, 7205..7522, 7721..7786		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o4.tc	Method	TBLASTX:Cress
Start	8145	End	9375
GI	none	Score	79
Exons	8145..8279, 8400..8495, 8401..8496, 8637..8795, 9283..9375		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o4.tw	Method	TBLASTX:Wheat
Start	8634	End	9301
GI	none	Score	88
Exons	8634..8795, 9125..9301, 9125..9289, 9127..9300		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o3.ts	Method	TBLASTX:Soybean
Start	9130	End	9372
GI	none	Score	78
Exons	9130..9228, 9211..9372, 9232..9321		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o6.tm	Method	TBLASTX:Maize
Start	9133	End	9310
GI	none	Score	69
Exons	9133..9309, 9134..9310		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o3.tc	Method	TBLASTX:Cress
Start	10140	End	11017
GI	none	Score	151
Exons	10140..10265, 10820..11017, 10830..11012		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	10170	End	11096
GI	none	Score	169
Exons	10170..10265, 10820..11092, 10830..11096		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o3.tm	Method	TBLASTX:Maize
Start	10916	End	11667
GI	none	Score	164
Exons	10916..11134, 10917..11135, 11563..11667		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o5.tc	Method	TBLASTX:Cress
Start	12315	End	12462
GI	none	Score	92
Exons	12315..12359, 12316..12378, 12321..12437, 12322..12366, 12368..12460, 12369..12461, 12370..12462		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o3.tw	Method	TBLASTX:Wheat
Start	12316	End	12445
GI	none	Score	190
Exons	12316..12429, 12320..12427, 12322..12429, 12323..12445		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o4.tm	Method	TBLASTX:Maize
Start	12316	End	12466
GI	none	Score	259
Exons	12316..12462, 12320..12460, 12322..12462, 12323..12466		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o3.gp	Method	AAT/GAP
Start	12321	End	12462
GI	2669_1.R1084	Score	230
Exons	12321..12462		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o7.tm	Method	TBLASTX:Maize
Start	12547	End	12808
GI	none	Score	60
Exons	12547..12603, 12557..12607, 12559..12597, 12561..12608, 12650..12667, 12669..12707, 12671..12706, 12708..12740, 12708..12737, 12709..12738, 12722..12808, 12723..12794, 12733..12804		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-
Start	3420	End	18276
Name	OJ990421_21.0211.C4.o4.ts	Method	TBLASTX:Soybean
Start	12924	End	13065
GI	none	Score	93
Exons	12924..13064, 12953..13063, 12988..13065		

Seq. No.	13946	Seq. ID	OJ990421_21.0211.C4
Gene No.	29772	Strand	-

Start	3420	End	18276
Name	OJ990421_21.0211.C4.o4.gp	Method	AAT/GAP
Start	12929	End	13066
GI	2231_2.R1084	Score	191
Exons	12929..13066		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	13947	Seq. ID	OJ990421_21.0211.C5
Gene No.	29773	Strand	+
Start	1	End	157
Name	OJ990421_21.0211.C5.o1.np	Method	AAT/NAP
Start	1	End	157
GI	728835	Score	169
Exons	1..157		
GI Descrip.	**** ALU SUBFAMILY SC WARNING ENTRY ****		

Seq. No.	13948	Seq. ID	OJ990421_21.0211.C6
Gene No.	29774	Strand	-
Start	1	End	172
Name	OJ990421_21.0211.C6.o1.np	Method	AAT/NAP
Start	1	End	172
GI	4185131	Score	155
Exons	1..172		
GI Descrip.	(AC005724) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	13948	Seq. ID	OJ990421_21.0211.C6
Gene No.	29775	Strand	-
Start	130	End	175
Name	OJ990421_21.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	31	End	171
GI	none	Score	133
Exons	31..171, 44..169		

Seq. No.	13948	Seq. ID	OJ990421_21.0211.C6
Gene No.	29775	Strand	-
Start	130	End	175
Name	OJ990421_21.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	31	End	168
GI	none	Score	105
Exons	31..168, 44..157		

Seq. No.	13948	Seq. ID	OJ990421_21.0211.C6
Gene No.	29775	Strand	-
Start	130	End	175
Name	OJ990421_21.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	40	End	175
GI	none	Score	61
Exons	40..168, 44..175		

Seq. No.	13948	Seq. ID	OJ990421_21.0211.C6
Gene No.	29775	Strand	-
Start	130	End	175
Name	OJ990421_21.0211.C6.o1.gs	Method	GENSCAN
Start	130	End	169
GI	none	Score	.41

Exons	130..169		
Seq. No.	13949	Seq. ID	OJ990421_21.0211.C7
Gene No.	29776	Strand	+
Start	1	End	3259
Name	OJ990421_21.0211.C7.o1.np	Method	AAT/NAP
Start	1	End	3209
GI	6539572	Score	906
Exons	1..220, 2114..2171, 2400..2710, 2944..3209		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	13949	Seq. ID	OJ990421_21.0211.C7
Gene No.	29776	Strand	+
Start	1	End	3259
Name	OJ990421_21.0211.C7.o1.gs	Method	GENSCAN
Start	125	End	3259
GI	none	Score	.42
Exons	125..299, 883..1097, 2400..2710, 2944..3259		
Seq. No.	13949	Seq. ID	OJ990421_21.0211.C7
Gene No.	29777	Strand	+
Start	6826	End	8394
Name	OJ990421_21.0211.C7.o2.gs	Method	GENSCAN
Start	6826	End	8394
GI	none	Score	.99
Exons	6826..8394		
Seq. No.	13949	Seq. ID	OJ990421_21.0211.C7
Gene No.	29778	Strand	+
Start	9701	End	10010
Name	OJ990421_21.0211.C7.o3.gs	Method	GENSCAN
Start	9701	End	10010
GI	none	Score	.88
Exons	9701..9703, 9846..10010		
Seq. No.	13949	Seq. ID	OJ990421_21.0211.C7
Gene No.	29779	Strand	+
Start	10605	End	11065
Name	OJ990421_21.0211.C7.o4.gs	Method	GENSCAN
Start	10605	End	11065
GI	none	Score	.55
Exons	10605..10798, 10828..11065		
Seq. No.	13949	Seq. ID	OJ990421_21.0211.C7
Gene No.	29780	Strand	-
Start	11723	End	11995
Name	OJ990421_21.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	7312	End	8112
GI	none	Score	105
Exons	7312..7440, 7314..7370, 7489..7593, 7491..7589, 7663..7713, 7714..7836, 7918..8112		
Seq. No.	13949	Seq. ID	OJ990421_21.0211.C7
Gene No.	29780	Strand	-
Start	11723	End	11995
Name	OJ990421_21.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	9604	End	9780

GI	none	Score	235
Exons	9604..9780, 9607..9780		
Seq. No.	13949	Seq. ID	OJ990421_21.0211.C7
Gene No.	29780	Strand	-
Start	11723	End	11995
Name	OJ990421_21.0211.C7.o5.gs	Method	GENSCAN
Start	11723	End	11995
GI	none	Score	1
Exons	11723..11995		
Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29781	Strand	+
Start	645	End	1223
Name	OJ990421_21.0211.C8.o1.gs	Method	GENSCAN
Start	645	End	1223
GI	none	Score	.62
Exons	645..702, 1183..1223		
Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29782	Strand	+
Start	3382	End	3846
Name	OJ990421_21.0211.C8.o2.gs	Method	GENSCAN
Start	3382	End	3846
GI	none	Score	.95
Exons	3382..3846		
Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29783	Strand	-
Start	5257	End	8556
Name	OJ990421_21.0211.C8.o1.np	Method	AAT/NAP
Start	5257	End	8556
GI	3860258	Score	301
Exons	5257..5331, 6509..6589, 6733..6843, 6936..7090, 8505..8556		
GI Descrip.	(AC005824) unknown protein [Arabidopsis thaliana]		
Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	6506	End	6996
GI	none	Score	97
Exons	6506..6649, 6507..6596, 6728..6793, 6731..6847, 6733..6846, 6913..6981, 6936..6983, 6943..6996		
Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o1.gp	Method	AAT/GAP
Start	8175	End	19559
GI	95_1.R1084	Score	5459
Exons	8175..8615, 8694..8768, 9394..9549, 10051..10128, 10363..10463, 10605..10752, 11207..11351, 11838..11941, 13292..13420, 13561..13671, 13769..13898, 14950..15069, 15395..15516, 16000..16083, 16276..16392, 16477..16557, 17173..17232, 17433..17475, 17563..17661, 18388..18599, 18999..19126, 19281..19559		

GI Descrip. '477282/pir||A48537 0.0e+00 starch branching enzyme isoform RBE3 - rice >gi_436052_dbj_BAA03738_ (D16201) branching enzyme-3 precursor [Oryza sativa]'

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	8511	End	17627
GI	none	Score	59

Exons 8511..8645, 8532..8615, 8533..8616, 8692..8769, 8692..8769, 8693..8770, 8694..8774, 9387..9551, 9391..9555, 9392..9550, 9393..9557, 10017..10124, 10023..10124, 10054..10128, 10055..10129, 10359..10463, 10363..10536, 10363..10530, 10598..10753, 10606..10755, 10606..10755, 10671..10787, 11202..11357, 11206..11352, 11207..11359, 11794..11940, 11794..11937, 11834..11944, 11837..11941, 13283..13423, 13286..13456, 13287..13427, 13557..13670, 13558..13674, 13559..13672, 13742..13900, 13767..13895, 13768..13896, 14946..15083, 14952..15086, 14992..15093, 15392..15517, 15394..15516, 15396..15518, 15396..15518, 15991..16098, 16003..16080, 16272..16394, 16273..16395, 16275..16394, 16288..16392, 16472..16558, 16475..16558, 16480..16560, 17173..17202, 17204..17233, 17436..17471, 17436..17486, 17437..17478, 17564..17620, 17568..17627, 17568..17627

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o4.gs	Method	GENSCAN
Start	8532	End	20537
GI	none	Score	.6

Exons 8532..8615, 8694..8768, 9394..9549, 10051..10128, 10363..10463, 10605..10752, 11207..11351, 11838..11941, 13292..13420, 13561..13671, 13769..13898, 14950..15069, 15395..15516, 16276..16392, 16477..16557, 17173..17232, 17433..17475, 17563..17661, 18388..18599, 18999..19209, 19281..19355, 19443..19707, 20112..20305, 20359..20537

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o2.np	Method	AAT/NAP
Start	8535	End	19431
GI	477282	Score	3815

Exons 8535..8615, 8694..8768, 9394..9549, 10051..10128, 10363..10463, 10605..10752, 11207..11351, 11838..11941, 13292..13420, 13561..13671, 13769..13898, 14950..15069, 15395..15516, 16000..16083, 16276..16392, 16477..16557, 17173..17232, 17433..17475, 17563..17661, 18388..18599, 18999..19126, 19281..19431

GI Descrip. starch branching enzyme isoform RBE3 - rice gi|436052|dbj|BAA03738.1| (D16201) branching enzyme-3 precursor [Oryza sativa]

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-

Start	8532	End	20537
Name	OJ990421_21.0211.C8.o2.tc	Method	TBLASTX:Cress
Start	8535	End	10132
GI	none	Score	165
Exons	8535..8615, 8694..8774, 9391..9555, 9395..9547, 9418..9549, 10033..10128, 10052..10129, 10052..10132		

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	9451	End	11332
GI	none	Score	85
Exons	9451..9555, 9455..9556, 10033..10128, 10052..10129, 10052..10129, 10362..10460, 10362..10463, 10363..10461, 10363..10530, 10598..10753, 10605..10754, 10606..10755, 10674..10784, 10796..10828, 11207..11329, 11207..11332		

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	10363	End	11335
GI	none	Score	204
Exons	10363..10386, 10384..10530, 10598..10753, 10606..10755, 10609..10755, 11203..11334, 11207..11335, 11207..11335		

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o4.ts	Method	TBLASTX:Soybean
Start	11794	End	13427
GI	none	Score	129
Exons	11794..11937, 11834..11944, 11837..11941, 13272..13418, 13286..13420, 13287..13427		

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	13604	End	15002
GI	none	Score	70
Exons	13604..13669, 13606..13674, 13742..13900, 13770..13901, 14952..15002		

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-
Start	8532	End	20537
Name	OJ990421_21.0211.C8.o3.tc	Method	TBLASTX:Cress
Start	13847	End	16086
GI	none	Score	69
Exons	13847..13900, 14946..15083, 14952..15086, 14992..15093, 15392..15517, 15394..15516, 15998..16084, 15998..16084, 16000..16086		

Seq. No.	13950	Seq. ID	OJ990421_21.0211.C8
Gene No.	29784	Strand	-

Start	8532	End	20537
Name	OJ990421_21.0211.C8.o3.ts	Method	TBLASTX:Soybean
Start	16318	End	17618
GI	none	Score	97
Exons	16318..16392, 16319..16390, 16474..16560, 16481..16558, 17173..17235, 17174..17233, 17179..17256, 17436..17474, 17437..17487, 17562..17618, 17569..17616		

Seq. No.	13951	Seq. ID	OJ990421_21.0211.C9
Gene No.	29785	Strand	+
Start	1	End	9281
Name	OJ990421_21.0211.C9.o2.np	Method	AAT/NAP
Start	1	End	9281
GI	6721516	Score	347
Exons	1..168, 2038..2278, 2687..2884, 4379..4417, 9240..9281		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13951	Seq. ID	OJ990421_21.0211.C9
Gene No.	29785	Strand	+
Start	1	End	9281
Name	OJ990421_21.0211.C9.o1.gs	Method	GENSCAN
Start	73	End	372
GI	none	Score	.68
Exons	73..176, 232..372		

Seq. No.	13951	Seq. ID	OJ990421_21.0211.C9
Gene No.	29785	Strand	+
Start	1	End	9281
Name	OJ990421_21.0211.C9.o3.gs	Method	GENSCAN
Start	6198	End	9083
GI	none	Score	.48
Exons	6198..6219, 6741..6793, 6953..7137, 7231..7347, 7759..7809, 8243..8355, 9016..9083		

Seq. No.	13951	Seq. ID	OJ990421_21.0211.C9
Gene No.	29786	Strand	+
Start	9585	End	9927
Name	OJ990421_21.0211.C9.o3.np	Method	AAT/NAP
Start	9585	End	9927
GI	6815072	Score	190
Exons	9585..9927		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	13951	Seq. ID	OJ990421_21.0211.C9
Gene No.	29787	Strand	-
Start	1	End	565
Name	OJ990421_21.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	565
GI	6721512	Score	63
Exons	1..34, 482..565		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13951	Seq. ID	OJ990421_21.0211.C9
Gene No.	29788	Strand	-
Start	1286	End	4980
Name	OJ990421_21.0211.C9.o2.gs	Method	GENSCAN

Start	1286	End	4980
GI	none	Score	.43
Exons	1286..1316, 1579..1812, 2302..2367, 4100..4241, 4878..4980		

Seq. No.	13952	Seq. ID	OJ990421_21.0211.C10
Gene No.	29789	Strand	+
Start	1	End	803
Name	OJ990421_21.0211.C10.o1.np	Method	AAT/NAP
Start	1	End	803
GI	4585985	Score	599
Exons	1..227, 322..803		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13952	Seq. ID	OJ990421_21.0211.C10
Gene No.	29789	Strand	+
Start	1	End	803
Name	OJ990421_21.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	383
GI	none	Score	143
Exons	1..96, 2..103, 94..225, 107..226, 327..383		

Seq. No.	13952	Seq. ID	OJ990421_21.0211.C10
Gene No.	29789	Strand	+
Start	1	End	803
Name	OJ990421_21.0211.C10.o1.gs	Method	GENSCAN
Start	17	End	479
GI	none	Score	.62
Exons	17..227, 322..479		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29790	Strand	+
Start	1	End	1151
Name	OJ990421_21.0211.C12.o1.gp	Method	AAT/GAP
Start	1	End	715
GI	33509_1.R1084	Score	582
Exons	1..265, 627..715		
GI Descrip.	'1173073/sp|P46252|RLA2_MAIZE 2.0e-24 60S ACIDIC RIBOSOMAL PROTEIN P2 >gi_1076787_pir__S54179 acidic ribosomal protein 60S - maize >gi_2130117_pir__S65781 acidic ribosomal protein P2 - maize >gi_790508_emb_CAA60251_ (X86553) 60S acidic ribosomal protein [Zea mays]'		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29790	Strand	+
Start	1	End	1151
Name	OJ990421_21.0211.C12.o1.np	Method	AAT/NAP
Start	2	End	650
GI	4204376	Score	337
Exons	2..265, 627..650		
GI Descrip.	(U62750) acidic ribosomal protein P2a-4 [Zea mays]		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29790	Strand	+
Start	1	End	1151
Name	OJ990421_21.0211.C12.o1.gs	Method	GENSCAN
Start	65	End	1151
GI	none	Score	.57

Exons	65..265, 1008..1151		
Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29791	Strand	+
Start	2758	End	4191
Name	OJ990421_21.0211.C12.o2.np	Method	AAT/NAP
Start	2743	End	4191
GI	6539240	Score	1599
Exons	2743..3112, 3170..4191		
GI Descrip.	(AC011765) putative alpha galactosyltransferase [Arabidopsis thaliana]		
Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29791	Strand	+
Start	2758	End	4191
Name	OJ990421_21.0211.C12.o2.gs	Method	GENSCAN
Start	2758	End	4185
GI	none	Score	.5
Exons	2758..4185		
Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29791	Strand	+
Start	2758	End	4191
Name	OJ990421_21.0211.C12.o3.gp	Method	AAT/GAP
Start	2822	End	3317
GI	55035_1.R1084	Score	967
Exons	2822..3317		
GI Descrip.	'3892054/gb|AAC78266.1|AAC78266 2.0e-16 (AC002330) putative glycosyltransferase [Arabidopsis thaliana]'		
Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29792	Strand	+
Start	8868	End	8952
Name	OJ990421_21.0211.C12.o3.np	Method	AAT/NAP
Start	8868	End	8952
GI	6721547	Score	91
Exons	8868..8952		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29793	Strand	-
Start	2516	End	2825
Name	OJ990421_21.0211.C12.o2.gp	Method	AAT/GAP
Start	2516	End	2825
GI	5038999	Score	612
Exons	2516..2825		
Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o2.ts	Method	TBLASTX:Soybean
Start	3019	End	3567
GI	none	Score	44
Exons	3019..3057, 3178..3234, 3181..3282, 3249..3518, 3253..3513, 3520..3567		
Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12

Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o2.tm	Method	TBLASTX:Maize
Start	3162	End	3345
GI	none	Score	62
Exons	3162..3341, 3172..3345, 3173..3235, 3181..3345		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o1.tc	Method	TBLASTX:Cress
Start	3306	End	3855
GI	none	Score	748
Exons	3306..3545, 3307..3789, 3460..3645, 3564..3782, 378..3855		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o1.tm	Method	TBLASTX:Maize
Start	3348	End	4393
GI	none	Score	367
Exons	3348..3551, 3349..3552, 3536..3874, 3541..4188, 3..3645, 3564..4067, 3650..4186, 3691..4191, 3932..4192, 4188..4265, 4198..4263, 4203..4271, 4204..4266, 4208..4306, 4259..4306, 4286..4351, 4298..4393		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o1.ts	Method	TBLASTX:Soybean
Start	3568	End	3969
GI	none	Score	646
Exons	3568..3966, 3577..3804, 3579..3965, 3919..3969		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o1.tw	Method	TBLASTX:Wheat
Start	3678	End	4044
GI	none	Score	398
Exons	3678..4043, 3678..4043, 3679..4044		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o2.tc	Method	TBLASTX:Cress
Start	3856	End	4161
GI	none	Score	449
Exons	3856..4161, 3858..4070, 3863..4102, 3913..4158		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o3.ts	Method	TBLASTX:Soybean
Start	3969	End	4173
GI	none	Score	263
Exons	3969..4070, 3970..4161, 3973..4173		

Seq. No.	13953	Seq. ID	OJ990421_21.0211.C12
Gene No.	29794	Strand	-
Start	3983	End	4432
Name	OJ990421_21.0211.C12.o4.gp	Method	AAT/GAP
Start	3983	End	4432
GI	uC-osroM202029a03b1	Score	868
Exons	3983..4432		
GI Descrip.	'3892054/gb|AAC78266.1|AAC78266 5.0e-16 (AC002330) putative glycosyltransferase [Arabidopsis thaliana]'		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29795	Strand	-
Start	703	End	2814
Name	OJ990421_21.0211.C13.o1.gs	Method	GENSCAN
Start	703	End	2462
GI	none	Score	.99
Exons	703..802, 1133..1230, 1337..1458, 1562..1655, 2097..2462		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29795	Strand	-
Start	703	End	2814
Name	OJ990421_21.0211.C13.o1.np	Method	AAT/NAP
Start	706	End	2349
GI	5731763	Score	521
Exons	706..802, 1133..1230, 1337..1458, 1562..1655, 2097..2349		
GI Descrip.	(X92419) SNAP25A protein [Arabidopsis thaliana] gi|5731764|emb|CAB52583.1| (X92420) SNAP25AB protein [Arabidopsis thaliana]		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29795	Strand	-
Start	703	End	2814
Name	OJ990421_21.0211.C13.o1.gp	Method	AAT/GAP
Start	2173	End	2814
GI	45770_1.R1084	Score	770
Exons	2173..2504, 2723..2814		
GI Descrip.	'5731763/emb|CAB52582.1| 4.0e-10 (X92419) SNAP25A protein [Arabidopsis thaliana] >gi_5731764_emb_CAB52583.1_ (X92420) SNAP25AB protein [Arabidopsis thaliana]'		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o3.tm	Method	TBLASTX:Maize
Start	676	End	2447
GI	none	Score	111
Exons	676..804, 701..805, 702..809, 721..804, 1099..1236, 1133..1192, 1137..1217, 1334..1459, 1347..1460, 1543..1644, 1551..1616, 1573..1653, 1574..1654, 1574..1657, 1575..1658, 2073..2342, 2074..2226, 2302..2346, 2391..2447, 2392..2439		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o4.ts	Method	TBLASTX:Soybean
Start	703	End	2420

GI	none	Score	72
Exons	703..804, 1132..1236, 1334..1369, 1373..1459, 1389..1460, 1575..1616, 1576..1656, 2073..2351, 2104..2223, 2302..2331, 2391..2420		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o2.gp	Method	AAT/GAP
Start	4769	End	7628
GI	13240_1.R1084	Score	2620
Exons	4769..5375, 5531..5579, 5665..6158, 7234..7445, 7538..7628		
GI Descrip.	'2832717/emb|CAA05869| 0.0e+00 (AJ003114) alkaline/neutral invertase [Lolium temulentum]'		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o3.ts	Method	TBLASTX:Soybean
Start	5064	End	5357
GI	none	Score	207
Exons	5064..5108, 5083..5355, 5094..5357		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o2.gs	Method	GENSCAN
Start	5067	End	8759
GI	none	Score	.7
Exons	5067..5375, 5531..5579, 5665..6158, 7234..7445, 7538..7703, 8169..8759		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o2.np	Method	AAT/NAP
Start	5070	End	8660
GI	2832717	Score	2554
Exons	5070..5375, 5531..5579, 5665..6158, 7234..7445, 7538..7703, 8169..8660		
GI Descrip.	(AJ003114) alkaline/neutral invertase [Lolium temulentum]		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o3.tc	Method	TBLASTX:Cress
Start	5094	End	5369
GI	none	Score	127
Exons	5094..5369, 5131..5367		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	5106	End	7363
GI	none	Score	38
Exons	5106..5135, 5130..5378, 5137..5379, 5510..5578, 5532..5582,		

5664..6158, 5665..5787, 5667..6152, 5824..6171, 7215..7361, 7225..7362, 7229..7363

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o2.tc	Method	TBLASTX:Cress
Start	5510	End	6000
GI	none	Score	59
Exons	5510..5578, 5531..5578, 5532..5582, 5664..5963, 5664..5999, 5833..6000		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o5.ts	Method	TBLASTX:Soybean
Start	5510	End	5774
GI	none	Score	78
Exons	5510..5578, 5532..5582, 5533..5601, 5664..5774, 5667..5774		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o1.ts	Method	TBLASTX:Soybean
Start	5776	End	7269
GI	none	Score	400
Exons	5776..6171, 5778..6158, 7225..7269		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o2.tw	Method	TBLASTX:Wheat
Start	5910	End	6158
GI	none	Score	79
Exons	5910..6158, 5917..6033		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o1.tc	Method	TBLASTX:Cress
Start	6048	End	8390
GI	none	Score	76
Exons	6048..6158, 6055..6165, 7206..7445, 7225..7449, 7234..7350, 7238..7453, 7536..7736, 7536..7703, 7598..7732, 8169..8390, 8188..8385		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o1.tw	Method	TBLASTX:Wheat
Start	7238	End	7692
GI	none	Score	151
Exons	7238..7453, 7240..7449, 7536..7625, 7537..7569, 7638..7670, 7639..7692		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-

Start	5067	End	8759
Name	OJ990421_21.0211.C13.o2.ts	Method	TBLASTX:Soybean
Start	7270	End	8402
GI	none	Score	111
Exons	7270..7290, 7288..7317, 7316..7453, 7318..7449, 7536..7700, 7536..7703, 7537..7704, 8175..8282, 8194..8334, 8305..8391, 8313..8402		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o2.tm	Method	TBLASTX:Maize
Start	7363	End	7706
GI	none	Score	129
Exons	7363..7449, 7364..7450, 7370..7453, 7536..7706, 7536..7703, 7603..7704		

Seq. No.	13954	Seq. ID	OJ990421_21.0211.C13
Gene No.	29796	Strand	-
Start	5067	End	8759
Name	OJ990421_21.0211.C13.o4.tm	Method	TBLASTX:Maize
Start	8163	End	8399
GI	none	Score	63
Exons	8163..8369, 8167..8382, 8169..8399		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29797	Strand	+
Start	1	End	1280
Name	OJ990421_21.0211.C14.o2.np	Method	AAT/NAP
Start	1	End	1280
GI	6630699	Score	83
Exons	1..40, 1200..1280		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29798	Strand	+
Start	10055	End	11581
Name	OJ990421_21.0211.C14.o4.np	Method	AAT/NAP
Start	10055	End	11581
GI	6598366	Score	146
Exons	10055..10120, 11156..11202, 11273..11396, 11486..11581		
GI Descrip.	(AC002387) putative microtubule-associated protein [Arabidopsis thaliana]		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o1.np	Method	AAT/NAP
Start	1	End	2238
GI	3289002	Score	233
Exons	1..56, 582..988, 2153..2238		
GI Descrip.	(AF073522) CRP1 [Zea mays]		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-

Start	1	End	11572
Name	OJ990421_21.0211.C14.o1.gs	Method	GENSCAN
Start	530	End	11324
GI	none	Score	.43
Exons	530..995, 1485..1575, 2070..2205, 3127..3192, 3230..3320, 4781..4868, 5086..5197, 5441..5494, 7937..8229, 8473..8630, 8940..9024, 10100..10288, 10290..10528, 10588..10709, 11277..11324		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o3.np	Method	AAT/NAP
Start	7685	End	11328
GI	3236253	Score	619
Exons	7685..8531, 8772..8826, 11273..11328		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	7784	End	8041
GI	none	Score	193
Exons	7784..7897, 7792..8040, 7794..8036, 7943..8041		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o1.tc	Method	TBLASTX:Cress
Start	7814	End	8534
GI	none	Score	94
Exons	7814..8062, 7830..8060, 7999..8196, 8036..8197, 8180..8338, 8181..8342, 8193..8345, 8194..8343, 8342..8533, 8352..8534		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o1.tw	Method	TBLASTX:Wheat
Start	8053	End	8464
GI	none	Score	68
Exons	8053..8196, 8226..8345, 8345..8464		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	8062	End	8543
GI	none	Score	126
Exons	8062..8196, 8063..8203, 8193..8345, 8197..8343, 8336..8386, 8399..8533, 8418..8543		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o1.ts	Method	TBLASTX:Soybean

Start	8196	End	8534
GI	none	Score	106
Exons	8196..8345, 8197..8340, 8345..8533, 8352..8534		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o2.tc	Method	TBLASTX:Cress
Start	11226	End	11572
GI	none	Score	154
Exons	11226..11390, 11276..11383, 11277..11393, 11278..11394, 11462..11521, 11518..11571, 11519..11572		

Seq. No.	13955	Seq. ID	OJ990421_21.0211.C14
Gene No.	29799	Strand	-
Start	1	End	11572
Name	OJ990421_21.0211.C14.o2.ts	Method	TBLASTX:Soybean
Start	11253	End	11569
GI	none	Score	152
Exons	11253..11285, 11271..11390, 11273..11383, 11462..11521, 11525..11569		

Seq. No.	13956	Seq. ID	OJ990421_21.0211.C15
Gene No.	29800	Strand	+
Start	115	End	1459
Name	OJ990421_21.0211.C15.o2.np	Method	AAT/NAP
Start	115	End	1459
GI	6630699	Score	81
Exons	115..153, 1382..1459		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13956	Seq. ID	OJ990421_21.0211.C15
Gene No.	29801	Strand	-
Start	1	End	3267
Name	OJ990421_21.0211.C15.o1.np	Method	AAT/NAP
Start	1	End	1321
GI	5922620	Score	327
Exons	1..45, 218..428, 659..744, 1088..1242, 1283..1321		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13956	Seq. ID	OJ990421_21.0211.C15
Gene No.	29801	Strand	-
Start	1	End	3267
Name	OJ990421_21.0211.C15.o1.gs	Method	GENSCAN
Start	18	End	3192
GI	none	Score	.61
Exons	18..358, 1059..1083, 1129..1242, 1260..1346, 1370..1453, 2890..3192		

Seq. No.	13956	Seq. ID	OJ990421_21.0211.C15
Gene No.	29801	Strand	-

Start	1	End	3267
Name	OJ990421_21.0211.C15.o3.np	Method	AAT/NAP
Start	1598	End	3267
GI	5922620	Score	330
Exons	1598..1779, 3027..3267		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]. gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13957	Seq. ID	OJ990621_10.0228.C5
Gene No.	29802	Strand	
Start	2	End	272
Name	OJ990621_10.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	272
GI	none	Score	305
Exons	2..265, 3..272, 6..245		

Seq. No.	13958	Seq. ID	OJ990621_10.0228.C11
Gene No.	29803	Strand	-
Start	536	End	614
Name	OJ990621_10.0228.C11.o1.gp	Method	AAT/GAP
Start	536	End	614
GI	uC-osroM202013b04b1	Score	147
Exons	536..614		
GI Descrip.	'2191172 1.0e-11 (AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]'		

Seq. No.	13959	Seq. ID	OJ990621_10.0228.C13
Gene No.	29804	Strand	
Start	65	End	575
Name	OJ990621_10.0228.C13.o1.tm	Method	TBLASTX:Maize
Start	65	End	502
GI	none	Score	58
Exons	65..502, 68..181, 132..431		

Seq. No.	13959	Seq. ID	OJ990621_10.0228.C13
Gene No.	29804	Strand	
Start	65	End	575
Name	OJ990621_10.0228.C13.o1.tw	Method	TBLASTX:Wheat
Start	89	End	575
GI	none	Score	160
Exons	89..571, 98..442, 132..575		

Seq. No.	13959	Seq. ID	OJ990621_10.0228.C13
Gene No.	29804	Strand	
Start	65	End	575
Name	OJ990621_10.0228.C13.o1.ts	Method	TBLASTX:Soybean
Start	221	End	502
GI	none	Score	55
Exons	221..502, 222..419		

Seq. No.	13959	Seq. ID	OJ990621_10.0228.C13
Gene No.	29805	Strand	
Start	503	End	661
Name	OJ990621_10.0228.C13.o2.tm	Method	TBLASTX:Maize

Start	503	End	661
GI	none	Score	124
Exons	503..661, 504..653		

Seq. No.	13960	Seq. ID	OJ990621_10.0228.C22
Gene No.	29806	Strand	
Start	1237	End	2197
Name	OJ990621_10.0228.C22.o3.tw	Method	TBLASTX:Wheat
Start	1237	End	1570
GI	none	Score	136
Exons	1237..1569, 1289..1570		

Seq. No.	13960	Seq. ID	OJ990621_10.0228.C22
Gene No.	29806	Strand	
Start	1237	End	2197
Name	OJ990621_10.0228.C22.o1.tm	Method	TBLASTX:Maize
Start	1432	End	2016
GI	none	Score	100
Exons	1432..1857, 1433..1630, 1453..1698, 1694..1858, 1855..1902, 1862..1894, 1902..2009, 1903..2016, 1905..2015		

Seq. No.	13960	Seq. ID	OJ990621_10.0228.C22
Gene No.	29806	Strand	
Start	1237	End	2197
Name	OJ990621_10.0228.C22.o1.tw	Method	TBLASTX:Wheat
Start	1570	End	2197
GI	none	Score	44
Exons	1570..1917, 1571..1630, 1691..1909, 1902..2051, 1911..2084, 1912..2085, 2089..2163, 2135..2197, 2168..2194		

Seq. No.	13960	Seq. ID	OJ990621_10.0228.C22
Gene No.	29807	Strand	
Start	2138	End	2443
Name	OJ990621_10.0228.C22.o2.tm	Method	TBLASTX:Maize
Start	2138	End	2394
GI	none	Score	100
Exons	2138..2257, 2148..2255, 2255..2389, 2255..2368, 2257..2394, 2257..2391		

Seq. No.	13960	Seq. ID	OJ990621_10.0228.C22
Gene No.	29807	Strand	
Start	2138	End	2443
Name	OJ990621_10.0228.C22.o1.ts	Method	TBLASTX:Soybean
Start	2156	End	2415
GI	none	Score	76
Exons	2156..2257, 2157..2273, 2255..2404, 2255..2371, 2257..2415		

Seq. No.	13960	Seq. ID	OJ990621_10.0228.C22
Gene No.	29807	Strand	
Start	2138	End	2443
Name	OJ990621_10.0228.C22.o2.tw	Method	TBLASTX:Wheat
Start	2204	End	2443
GI	none	Score	43
Exons	2204..2257, 2208..2255, 2255..2443, 2255..2437, 2257..2442		

Seq. No.	13961	Seq. ID	OJ990621_10.0228.C23
Gene No.	29808	Strand	

Start	3	End	332
Name	OJ990621_10.0228.C23.o1.tw	Method	TBLASTX:Wheat
Start	3	End	332
GI	none	Score	128
Exons	3..80, 7..153, 186..332		

Seq. No.	13962	Seq. ID	OJ990621_10.0228.C27
Gene No.	29809	Strand	
Start	186	End	638
Name	OJ990621_10.0228.C27.o1.tc	Method	TBLASTX:Cress
Start	186	End	638
GI	none	Score	112
Exons	186..380, 486..638		

Seq. No.	13962	Seq. ID	OJ990621_10.0228.C27
Gene No.	29809	Strand	
Start	186	End	638
Name	OJ990621_10.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	186	End	638
GI	none	Score	148
Exons	186..425, 516..638		

Seq. No.	13962	Seq. ID	OJ990621_10.0228.C27
Gene No.	29809	Strand	
Start	186	End	638
Name	OJ990621_10.0228.C27.o1.ts	Method	TBLASTX:Soybean
Start	243	End	638
GI	none	Score	114
Exons	243..398, 513..638, 515..637		

Seq. No.	13962	Seq. ID	OJ990621_10.0228.C27
Gene No.	29809	Strand	
Start	186	End	638
Name	OJ990621_10.0228.C27.o1.tw	Method	TBLASTX:Wheat
Start	296	End	638
GI	none	Score	84
Exons	296..370, 297..371, 298..378, 507..638	298..378, 499..636, 501..638,	

Seq. No.	13963	Seq. ID	OJ990621_10.0228.C29
Gene No.	29810	Strand	
Start	1	End	728
Name	OJ990621_10.0228.C29.o2.ts	Method	TBLASTX:Soybean
Start	1	End	198
GI	none	Score	117
Exons	1..195, 5..196, 10..198		

Seq. No.	13963	Seq. ID	OJ990621_10.0228.C29
Gene No.	29810	Strand	
Start	1	End	728
Name	OJ990621_10.0228.C29.o1.tw	Method	TBLASTX:Wheat
Start	49	End	593
GI	none	Score	50
Exons	49..255, 59..190, 250..336,	333..446,	336..593

Seq. No.	13963	Seq. ID	OJ990621_10.0228.C29
Gene No.	29810	Strand	

Start	1	End	728
Name	OJ990621_10.0228.C29.o1.tm	Method	TBLASTX:Maize
Start	130	End	594
GI	none	Score	70
Exons	130..336, 333..578, 336..593,	412..594	

Seq. No.	13963	Seq. ID	OJ990621_10.0228.C29
Gene No.	29810	Strand	
Start	1	End	728
Name	OJ990621_10.0228.C29.o1.ts	Method	TBLASTX:Soybean
Start	265	End	728
GI	5509260	Score	50
Exons	265..336, 284..328, 360..728,	415..510, 559..627	
GI Descrip.	-		

Seq. No.	13963	Seq. ID	OJ990621_10.0228.C29
Gene No.	29810	Strand	
Start	1	End	728
Name	OJ990621_10.0228.C29.o1.tc	Method	TBLASTX:Cress
Start	375	End	635
GI	none	Score	62
Exons	375..635, 556..633		

Seq. No.	13963	Seq. ID	OJ990621_10.0228.C29
Gene No.	29811	Strand	
Start	648	End	775
Name	OJ990621_10.0228.C29.o2.tw	Method	TBLASTX:Wheat
Start	648	End	775
GI	none	Score	96
Exons	648..758, 648..773, 649..774,	665..775	

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29812	Strand	+
Start	4894	End	8027
Name	OJ990721_10.0211.C1.o1.gs	Method	GENSCAN
Start	4894	End	7679
GI	none	Score	.7
Exons	4894..5022, 6301..6525, 7186..	7374, 7494..7679	

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29812	Strand	+
Start	4894	End	8027
Name	OJ990721_10.0211.C1.o1.gp	Method	AAT/GAP
Start	7013	End	8027
GI	822_1.R1084	Score	1629
Exons	7013..7374, 7494..8027		
GI Descrip.	'2773154 2.0e-20 (AF039573) abscisic acid- and stress-inducible protein [Oryza sativa]'		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29812	Strand	+
Start	4894	End	8027
Name	OJ990721_10.0211.C1.o1.np	Method	AAT/NAP
Start	7144	End	7676
GI	2773154	Score	719
Exons	7144..7374, 7494..7676		
GI Descrip.	(AF039573) abscisic acid- and stress-inducible protein [Oryza		

sativa]

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29813	Strand	+
Start	13380	End	19859
Name	OJ990721_10.0211.C1.o2.np	Method	AAT/NAP
Start	13380	End	19859
GI	6069667	Score	922
Exons	13380..13527, 14034..14141, 14496..14605, 15540..15720, 15780..15808, 15840..16121, 19781..19859		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29813	Strand	+
Start	13380	End	19859
Name	OJ990721_10.0211.C1.o2.gp	Method	AAT/GAP
Start	18105	End	18362
GI	none	Score	512
Exons	18105..18362		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29814	Strand	-
Start	9064	End	14110
Name	OJ990721_10.0211.C1.o2.gs	Method	GENSCAN
Start	9064	End	14110
GI	none	Score	.77
Exons	9064..9265, 9660..9772, 10732..10812, 11977..12146, 12218..12351, 13396..13546, 13847..13964, 13982..14110		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29815	Strand	-
Start	18264	End	21213
Name	OJ990721_10.0211.C1.o4.gs	Method	GENSCAN
Start	18264	End	20341
GI	none	Score	.89
Exons	18264..19454, 19460..20341		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29815	Strand	-
Start	18264	End	21213
Name	OJ990721_10.0211.C1.o3.np	Method	AAT/NAP
Start	18270	End	21213
GI	100226	Score	764
Exons	18270..19115, 19161..19649, 21119..21213		
GI Descrip.	hypothetical protein - tomato gi|19275|emb|CAA78112| (Z12127) protein of unknown function [Lycopersicon esculentum] gi|445619|prf||1909366A Leu zipper protein [Lycopersicon esculentum]		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29816	Strand	-
Start	23176	End	23383
Name	OJ990721_10.0211.C1.o6.gs	Method	GENSCAN
Start	23176	End	23383
GI	none	Score	.48
Exons	23176..23383		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29817	Strand	-
Start	24450	End	24650
Name	OJ990721_10.0211.C1.o1.ts	Method	TBLASTX:Soybean
Start	18270	End	18857
GI	none	Score	80
Exons	18270..18545, 18585..18704, 18708..18857, 18720..18851		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29817	Strand	-
Start	24450	End	24650
Name	OJ990721_10.0211.C1.o1.tw	Method	TBLASTX:Wheat
Start	18283	End	18657
GI	none	Score	374
Exons	18283..18654, 18285..18653, 18499..18657		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29817	Strand	-
Start	24450	End	24650
Name	OJ990721_10.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	18291	End	18909
GI	none	Score	560
Exons	18291..18866, 18292..18867, 18844..18909		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29817	Strand	-
Start	24450	End	24650
Name	OJ990721_10.0211.C1.o1.tc	Method	TBLASTX:Cress
Start	18432	End	18996
GI	none	Score	64
Exons	18432..18560, 18579..18863, 18583..18759, 18823..18867, 18912..18995, 18916..18996		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29817	Strand	-
Start	24450	End	24650
Name	OJ990721_10.0211.C1.o2.tm	Method	TBLASTX:Maize
Start	18912	End	19576
GI	none	Score	123
Exons	18912..19079, 19173..19235, 19346..19576		

Seq. No.	13964	Seq. ID	OJ990721_10.0211.C1
Gene No.	29817	Strand	-
Start	24450	End	24650
Name	OJ990721_10.0211.C1.o3.gp	Method	AAT/GAP
Start	24450	End	24650
GI	3763456	Score	282
Exons	24450..24650		

Seq. No.	13965	Seq. ID	OJ990721_10.0211.C2
Gene No.	29818	Strand	-
Start	60	End	4580
Name	OJ990721_10.0211.C2.o1.tw	Method	TBLASTX:Wheat
Start	51	End	510
GI	none	Score	44
Exons	51..92, 60..89, 67..165, 90..167, 90..164, 91..171, 151..357, 160..366, 168..380, 171..359, 284..367, 449..508, 451..510,		

451..495

Seq. No.	13965	Seq. ID	OJ990721_10.0211.C2
Gene No.	29818	Strand	-
Start	60	End	4580
Name	OJ990721_10.0211.C2.o1.gs	Method	GENSCAN
Start	60	End	4320
GI	none	Score	.85
Exons	60..356, 451..501, 642..847, 925..1105, 1413..1670, 2349..2550, 3026..3217, 3362..3426, 3502..3656, 3956..4041, 4253..4320		

Seq. No.	13965	Seq. ID	OJ990721_10.0211.C2
Gene No.	29818	Strand	-
Start	60	End	4580
Name	OJ990721_10.0211.C2.o2.tm	Method	TBLASTX:Maize
Start	60	End	677
GI	none	Score	125
Exons	60..164, 61..165, 151..357, 160..366, 165..359, 168..380, 206..364, 449..508, 451..522, 630..677		

Seq. No.	13965	Seq. ID	OJ990721_10.0211.C2
Gene No.	29818	Strand	-
Start	60	End	4580
Name	OJ990721_10.0211.C2.o1.np	Method	AAT/NAP
Start	63	End	4580
GI	6520167	Score	1475
Exons	63..356, 451..501, 642..847, 925..1183, 1278..1529, 1611..1670, 1792..1972, 2123..2270, 2411..2599, 2951..3210, 3358..3426, 3502..3656, 3956..4041, 4253..4326, 4497..4580		
GI Descrip.	(AB028199) ZW18 [Arabidopsis thaliana]		

Seq. No.	13965	Seq. ID	OJ990721_10.0211.C2
Gene No.	29818	Strand	-
Start	60	End	4580
Name	OJ990721_10.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	222	End	1219
GI	none	Score	59
Exons	222..356, 235..366, 240..305, 244..357, 326..364, 451..522, 455..508, 632..787, 636..851, 640..855, 642..851, 879..1190, 879..1184, 920..1219, 926..1207		

Seq. No.	13965	Seq. ID	OJ990721_10.0211.C2
Gene No.	29818	Strand	-
Start	60	End	4580
Name	OJ990721_10.0211.C2.o1.tc	Method	TBLASTX:Cress
Start	636	End	1124
GI	none	Score	113
Exons	636..839, 637..840, 642..848, 724..840, 896..1123, 918..1124		

Seq. No.	13965	Seq. ID	OJ990721_10.0211.C2
Gene No.	29818	Strand	-
Start	60	End	4580
Name	OJ990721_10.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	723	End	1662
GI	none	Score	63
Exons	723..827, 724..828, 729..830, 746..847, 770..832, 924..1100, 925..1185, 926..1186, 927..1184, 1276..1521, 1277..1513,		

1278..1523, 1413..1547, 1572..1661, 1603..1662, 1612..1662

Seq. No.	13965	Seq. ID	OJ990721_10.0211.C2
Gene No.	29818	Strand	-
Start	60	End	4580
Name	OJ990721_10.0211.C2.o3.tm	Method	TBLASTX:Maize
Start	2412	End	4055
GI	none	Score	58
Exons	2412..2603, 2508..2606, 3022..3180, 3029..3181, 3361..3429, 3364..3429, 3501..3662, 3502..3651, 3503..3670, 3957..4055, 3958..4041		

Seq. No.	13966	Seq. ID	OJ990721_10.0211.C3
Gene No.	29819	Strand	+
Start	1253	End	1729
Name	OJ990721_10.0211.C3.o1.gs	Method	GENSCAN
Start	1253	End	1729
GI	none	Score	.92
Exons	1253..1729		

Seq. No.	13966	Seq. ID	OJ990721_10.0211.C3
Gene No.	29820	Strand	+
Start	2317	End	2824
Name	OJ990721_10.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	1237	End	1636
GI	none	Score	41
Exons	1237..1332, 1411..1635, 1418..1636		

Seq. No.	13966	Seq. ID	OJ990721_10.0211.C3
Gene No.	29820	Strand	+
Start	2317	End	2824
Name	OJ990721_10.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	1423	End	2287
GI	none	Score	191
Exons	1423..1629, 1424..1633, 2201..2287		

Seq. No.	13966	Seq. ID	OJ990721_10.0211.C3
Gene No.	29820	Strand	+
Start	2317	End	2824
Name	OJ990721_10.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	2197	End	2527
GI	none	Score	187
Exons	2197..2358, 2198..2362, 2201..2362, 2375..2521, 2376..2504, 2380..2526, 2381..2527		

Seq. No.	13966	Seq. ID	OJ990721_10.0211.C3
Gene No.	29820	Strand	+
Start	2317	End	2824
Name	OJ990721_10.0211.C3.o1.gp	Method	AAT/GAP
Start	2317	End	2824
GI	none	Score	1012
Exons	2317..2824		

Seq. No.	13966	Seq. ID	OJ990721_10.0211.C3
Gene No.	29821	Strand	
Start	2980	End	3239
Name	OJ990721_10.0211.C3.o1.tw	Method	TBLASTX:Wheat

Start	2980	End	3239
GI	none	Score	121
Exons	2980..3156, 2982..3170, 2994..3146, 2996..3199, 3107..3232, 3152..3232, 3198..3239		

Seq. No.	13966	Seq. ID	OJ990721_10.0211.C3
Gene No.	29822	Strand	
Start	3517	End	3826
Name	OJ990721_10.0211.C3.o2.tm	Method	TBLASTX:Maize
Start	3517	End	3826
GI	none	Score	196
Exons	3517..3822, 3557..3823, 3569..3826, 3576..3824		

Seq. No.	13967	Seq. ID	OJ990721_10.0211.C6
Gene No.	29823	Strand	-
Start	189	End	335
Name	OJ990721_10.0211.C6.o1.gs	Method	GENSCAN
Start	189	End	335
GI	none	Score	.84
Exons	189..335		

Seq. No.	13968	Seq. ID	OJ990721_10.0211.C8
Gene No.	29824	Strand	+
Start	1543	End	5307
Name	OJ990721_10.0211.C8.o1.gs	Method	GENSCAN
Start	1543	End	5307
GI	none	Score	.72
Exons	1543..1677, 2005..2036, 4696..4972, 5017..5307		

Seq. No.	13968	Seq. ID	OJ990721_10.0211.C8
Gene No.	29825	Strand	-
Start	2304	End	5286
Name	OJ990721_10.0211.C8.o1.np	Method	AAT/NAP
Start	2304	End	5286
GI	6554203	Score	92
Exons	2304..2338, 5073..5286		
GI Descrip.	(AC011661) T23J18.3 [Arabidopsis thaliana]		

Seq. No.	13968	Seq. ID	OJ990721_10.0211.C8
Gene No.	29825	Strand	-
Start	2304	End	5286
Name	OJ990721_10.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	4750	End	5017
GI	none	Score	77
Exons	4750..4809, 4758..4808, 4763..4810, 4763..4810, 4795..5013, 4796..5017, 4811..5014		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29826	Strand	+
Start	2293	End	5537
Name	OJ990721_10.0211.C10.o1.gs	Method	GENSCAN
Start	2293	End	5537
GI	none	Score	.79
Exons	2293..2298, 3056..3376, 3468..4447, 4453..4657, 5322..5537		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29826	Strand	+

Start	2293	End	5537
Name	OJ990721_10.0211.C10.o1.gp	Method	AAT/GAP
Start	3145	End	3576
GI	2442735	Score	593
Exons	3145..3376, 3468..3576		
GI Descrip.	4803938/gb|AAD29811.1|AC006264_19 1.0e-18 (AC006264) putative aromatic amino acid permease [Arabidopsis thaliana] >gi_5139337_emb_CAB45643.1_ (AJ243221) putative AUX1-like permease [Arabidopsis thaliana]		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29826	Strand	+
Start	2293	End	5537
Name	OJ990721_10.0211.C10.o1.np	Method	AAT/NAP
Start	3179	End	4711
GI	6437520	Score	1932
Exons	3179..3262, 3290..3376, 3468..4711		
GI Descrip.	(AC012193) putative AUX1-like permease [Arabidopsis thaliana]		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o3.tc	Method	TBLASTX:Cress
Start	3167	End	3686
GI	none	Score	46
Exons	3167..3223, 3302..3394, 3325..3378, 3452..3658, 3459..3686, 3465..3659		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	3322	End	4028
GI	none	Score	111
Exons	3322..3378, 3326..3394, 3452..3955, 3459..3956, 3984..4028, 3992..4027		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o6.tm	Method	TBLASTX:Maize
Start	3467	End	3644
GI	none	Score	267
Exons	3467..3643, 3468..3644, 3468..3644		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	3645	End	4205
GI	none	Score	508
Exons	3645..3965, 3647..3763, 3798..3965, 3990..4205, 3992..4201		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o6.tc	Method	TBLASTX:Cress

Start	3698	End	3809
GI	none	Score	192
Exons	3698..3763, 3699..3809		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o2.tc	Method	TBLASTX:Cress
Start	3810	End	4262
GI	none	Score	234
Exons	3810..3959, 3812..3958, 3990..4169, 3992..4150, 4185..4262		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o3.ts	Method	TBLASTX:Soybean
Start	4028	End	4195
GI	none	Score	243
Exons	4028..4195, 4029..4193		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o2.ts	Method	TBLASTX:Soybean
Start	4196	End	4702
GI	none	Score	184
Exons	4196..4321, 4197..4325, 4325..4579, 4351..4542, 4577..4696, 4634..4702		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o3.tm	Method	TBLASTX:Maize
Start	4257	End	4699
GI	none	Score	119
Exons	4257..4325, 4257..4313, 4259..4333, 4325..4579, 4348..4698, 4577..4699, 4634..4699		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o5.tc	Method	TBLASTX:Cress
Start	4263	End	4426
GI	none	Score	115
Exons	4263..4325, 4265..4321, 4349..4426, 4351..4422		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o2.gs	Method	GENSCAN
Start	6246	End	17767
GI	none	Score	.69
Exons	6246..6497, 6536..6710, 6792..6933, 8497..8621, 8889..8977, 10509..10577, 10659..12194, 12290..12799, 13420..13572, 14329..14472, 15074..15355, 16423..16797, 16960..17132, 17704..17767		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o2.gp	Method	AAT/GAP
Start	8950	End	9400
GI	4880593	Score	848
Exons	8950..9400		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o7.tm	Method	TBLASTX:Maize
Start	9417	End	10808
GI	none	Score	96
Exons	9417..9500, 9425..9499, 9445..9504, 9457..9501, 9468..9503, 9503..9568, 9504..9566, 9508..9567, 10467..10580, 10503..10580, 10507..10581, 10659..10808, 10696..10806		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o2.np	Method	AAT/NAP
Start	9441	End	15022
GI	4512682	Score	1685
Exons	9441..9565, 10509..10577, 10659..12194, 12290..12483, 12637..12766, 13459..13572, 14329..14472, 14975..15022		
GI Descrip.	(AC006931) unknown protein [Arabidopsis thaliana]		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o4.tc	Method	TBLASTX:Cress
Start	9448	End	10943
GI	none	Score	69
Exons	9448..9504, 9468..9503, 10506..10580, 10507..10572, 10659..10739, 10830..10943		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o4.tm	Method	TBLASTX:Maize
Start	10809	End	11231
GI	none	Score	56
Exons	10809..10892, 10809..10889, 10869..10931, 10884..10943, 10886..10942, 11003..11227, 11019..11225, 11046..11231		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o2.tm	Method	TBLASTX:Maize
Start	11280	End	11740
GI	none	Score	423
Exons	11280..11738, 11282..11740, 11285..11740		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767

Name	OJ990721_10.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	11799	End	12778
GI	none	Score	118
Exons	11799..11951, 12006..12059, 12040..12195, 12041..12196, 12042..12194, 12080..12196, 12278..12412, 12281..12616, 12291..12497, 12659..12778		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o4.ts	Method	TBLASTX:Soybean
Start	12701	End	14476
GI	none	Score	83
Exons	12701..12805, 13414..13536, 13414..13557, 13472..13543, 14312..14476, 14326..14475		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o3.np	Method	AAT/NAP
Start	16291	End	17211
GI	5091610	Score	932
Exons	16291..16847, 16946..17211		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o8.tm	Method	TBLASTX:Maize
Start	16297	End	16563
GI	none	Score	94
Exons	16297..16458, 16298..16441, 16456..16563, 16469..16561		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o5.tm	Method	TBLASTX:Maize
Start	16759	End	17191
GI	none	Score	45
Exons	16759..16806, 16846..16962, 16884..16949, 16927..17190, 16929..17183, 16952..17191		

Seq. No.	13969	Seq. ID	OJ990721_10.0211.C10
Gene No.	29827	Strand	-
Start	6246	End	17767
Name	OJ990721_10.0211.C10.o3.gp	Method	AAT/GAP
Start	17228	End	17327
GI	LIB3477-003-P1-K1-E9	Score	118
Exons	17228..17327		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13970	Seq. ID	OJ990721_10.0211.C11
Gene No.	29828	Strand	+
Start	2868	End	3107
Name	OJ990721_10.0211.C11.o2.np	Method	AAT/NAP

Start	2868	End	3107
GI	5734621	Score	73
Exons	2868..3107		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	13970	Seq. ID	OJ990721_10.0211.C11
Gene No.	29829	Strand	-
Start	7	End	3493
Name	OJ990721_10.0211.C11.o1.np	Method	AAT/NAP
Start	7	End	3493
GI	4585884	Score	278
Exons	7..30, 1388..1534, 1616..1841, 1929..2260, 2712..2753, 3431..3493		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13970	Seq. ID	OJ990721_10.0211.C11
Gene No.	29829	Strand	-
Start	7	End	3493
Name	OJ990721_10.0211.C11.o1.gp	Method	AAT/GAP
Start	1371	End	2872
GI	uC-osflcyp143f05b1	Score	654
Exons	1371..1531, 1616..1841, 2711..2746, 2831..2872		
GI Descrip.	'4585884/gb|AAD25557.1|AC005850_14 2.0e-24 (AC005850) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13970	Seq. ID	OJ990721_10.0211.C11
Gene No.	29830	Strand	-
Start	13353	End	13701
Name	OJ990721_10.0211.C11.o2.tm	Method	TBLASTX:Maize
Start	1363	End	1722
GI	none	Score	56
Exons	1363..1413, 1389..1418, 1400..1558, 1410..1559, 1414..1533, 1414..1590, 1415..1558, 1612..1722, 1612..1719, 1613..1720, 1614..1721		

Seq. No.	13970	Seq. ID	OJ990721_10.0211.C11
Gene No.	29830	Strand	-
Start	13353	End	13701
Name	OJ990721_10.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	1722	End	2261
GI	none	Score	123
Exons	1722..1844, 1722..1844, 1723..1845, 1901..1984, 1905..1991, 1917..1979, 1918..1992, 1987..2256, 1988..2179, 1997..2260, 1998..2261, 2007..2255		

Seq. No.	13970	Seq. ID	OJ990721_10.0211.C11
Gene No.	29830	Strand	-
Start	13353	End	13701
Name	OJ990721_10.0211.C11.o2.gs	Method	GENSCAN
Start	13353	End	13697
GI	none	Score	.82
Exons	13353..13697		

Seq. No.	13970	Seq. ID	OJ990721_10.0211.C11
Gene No.	29830	Strand	-

Start	13353	End	13701
Name	OJ990721_10.0211.C11.o3.np	Method	AAT/NAP
Start	13377	End	13701
GI	6453905	Score	86
Exons	13377..13701		
GI Descrip.	(AC011663) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	13971	Seq. ID	OJ990721_10.0211.C12
Gene No.	29831	Strand	+
Start	2841	End	5977
Name	OJ990721_10.0211.C12.o1.np	Method	AAT/NAP
Start	2841	End	5977
GI	5091503	Score	112
Exons	2841..2881, 5815..5977		
GI Descrip.	(AB023482) EST AU055776(S20048) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana AP2 domain containing protein RAP2.10 mRNA, partial cds.(AF003103) [Oryza sativa]		

Seq. No.	13972	Seq. ID	OJ990721_10.0211.C13
Gene No.	29832	Strand	+
Start	718	End	972
Name	OJ990721_10.0211.C13.o1.gs	Method	GENSCAN
Start	718	End	972
GI	none	Score	.53
Exons	718..972		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29833	Strand	+
Start	5512	End	5842
Name	OJ990721_10.0211.C14.o2.np	Method	AAT/NAP
Start	5512	End	5842
GI	81286	Score	118
Exons	5512..5842		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o1.np	Method	AAT/NAP
Start	1	End	4697
GI	6721113	Score	331
Exons	1..22, 1174..1224, 1307..1526, 1872..1975, 2055..2118, 2396..2526, 2561..2659, 3249..3317, 4542..4697		
GI Descrip.	(AC007396) T4O12.19 [Arabidopsis thaliana]		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o1.gp	Method	AAT/GAP
Start	853	End	1412
GI	none	Score	881
Exons	853..1227, 1316..1412		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-

Start	1	End	15004
Name	OJ990721_10.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	973	End	4671
GI	none	Score	63
Exons	973..1011, 1175..1243, 1337..1465, 1911..1976, 1915..1986, 2060..2116, 2061..2117, 2061..2117, 2068..2118, 2220..2315, 2225..2317, 2225..2317, 2382..2486, 2395..2490, 2404..2493, 2557..2655, 2568..2654, 2570..2665, 2573..2662, 4544..4669, 4545..4670, 4554..4670, 4597..4671		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o1.gs	Method	GENSCAN
Start	1120	End	15004
GI	none	Score	.66
Exons	1120..1217, 1316..1578, 1833..2013, 2060..2118, 2244..2318, 2396..2484, 2573..2653, 4545..4669, 5341..5427, 5771..5934, 6075..6260, 7154..7387, 7514..7923, 8046..8350, 8632..8742, 9138..9315, 10545..10658, 11174..11264, 11497..11654, 11743..11856, 12104..12217, 12954..13035, 13088..13223, 14893..15004		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o2.ts	Method	TBLASTX:Soybean
Start	1912	End	4673
GI	none	Score	40
Exons	1912..1959, 1917..1955, 2058..2120, 2058..2117, 2220..2318, 2225..2317, 2395..2490, 2396..2485, 2568..2663, 2573..2662, 4544..4666, 4545..4667, 4554..4673, 4597..4668		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o2.tc	Method	TBLASTX:Cress
Start	2058	End	4679
GI	none	Score	56
Exons	2058..2117, 2059..2118, 2220..2318, 2225..2317, 2395..2490, 2396..2419, 2400..2486, 2404..2499, 2568..2663, 2573..2662, 4554..4679, 4597..4668		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o2.gp	Method	AAT/GAP
Start	2244	End	5972
GI	none	Score	848
Exons	2244..2318, 2396..2484, 2573..2653, 4545..4669, 5864..5972		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o2.tw	Method	TBLASTX:Wheat
Start	6105	End	9516
GI	none	Score	49

Exons 6105..6155, 6184..6261, 8163..8354, 8206..8355, 8218..8355, 8626..8733, 8627..8743, 8631..8744, 9429..9515, 9429..9515, 9433..9516

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o3.gp	Method	AAT/GAP
Start	6907	End	7613
GI	594_2.R1084	Score	1092

Exons 6907..7387, 7514..7613

GI Descrip. '548770/sp|P35684|RL3_ORYSA 1.0e-61 60S RIBOSOMAL PROTEIN L3 >gi_481228_pir__S38359 ribosomal protein L3 - rice >gi_303853_dbj_BAA02155_ (D12630) ribosomal protein L3 [Oryza sativa]'

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o1.ts	Method	TBLASTX:Soybean
Start	7126	End	9537
GI	none	Score	342

Exons 7126..7389, 7145..7393, 7507..7926, 7513..7926, 7709..7927, 8041..8163, 8041..8163, 8043..8354, 8048..8278, 8206..8343, 8627..8743, 8634..8744, 8640..8744, 8641..8745, 9429..9527, 9433..9537

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	7129	End	9515
GI	none	Score	303

Exons 7129..7389, 7129..7389, 7145..7393, 7476..7823, 7507..7833, 7513..7824, 7820..7924, 7822..7926, 8043..8081, 8043..8354, 8059..8163, 8063..8278, 8205..8282, 8206..8349, 8627..8743, 8631..8744, 9429..9512, 9429..9515, 9430..9513

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o3.np	Method	AAT/NAP
Start	7132	End	9512
GI	548770	Score	1925

Exons 7132..7387, 7514..7923, 8046..8350, 8632..8742, 9428..9512

GI Descrip. 60S RIBOSOMAL PROTEIN L3 gi|481228|pir||S38359 ribosomal protein L3 - rice gi|303853|dbj|BAA02155| (D12630) ribosomal protein L3 [Oryza sativa]

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o1.tc	Method	TBLASTX:Cress
Start	7138	End	9528
GI	none	Score	276

Exons 7138..7389, 7145..7390, 7151..7393, 7507..7926, 7513..7926, 7709..7927, 8041..8121, 8043..8354, 8048..8164, 8206..8343,

8627..8743, 8631..8744, 8633..8752, 9429..9527, 9454..9528

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o1.tw	Method	TBLASTX:Wheat
Start	7186	End	7758
GI	none	Score	164
Exons	7186..7314, 7187..7312, 7264..7344, 7288..7368, 7292..7369, 7332..7388, 7345..7389, 7346..7393, 7512..7754, 7513..7758		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o4.gp	Method	AAT/GAP
Start	8073	End	9738
GI	LIB3475-007-P1-K1-B9	Score	955
Exons	8073..8350, 8632..8742, 9428..9534, 9707..9738		
GI Descrip.	'4803938/gb|AAD29811.1|AC006264_19 1.0e-18 (AC006264) putative aromatic amino acid permease [Arabidopsis thaliana] >gi_5139337_emb_CAB45643.1_ (AJ243221) putative AUX1-like permease [Arabidopsis thaliana]'		

Seq. No.	13973	Seq. ID	OJ990721_10.0211.C14
Gene No.	29834	Strand	-
Start	1	End	15004
Name	OJ990721_10.0211.C14.o4.np	Method	AAT/NAP
Start	11165	End	13007
GI	498040	Score	419
Exons	11165..11264, 11497..11655, 11740..11856, 12104..12217, 12954..13007		
GI Descrip.	(L33793) ORF [Senecio odorus]		

Seq. No.	13974	Seq. ID	OJ990721_10.0211.C15
Gene No.	29835	Strand	-
Start	107	End	1058
Name	OJ990721_10.0211.C15.o1.gs	Method	GENSCAN
Start	107	End	1058
GI	none	Score	.71
Exons	107..205, 353..375, 689..782, 984..1058		

Seq. No.	13975	Seq. ID	OJ990721_12.0210.C1
Gene No.	29836	Strand	-
Start	68	End	297
Name	OJ990721_12.0210.C1.o1.gp	Method	AAT/GAP
Start	68	End	297
GI	3768755	Score	342
Exons	68..297		

Seq. No.	13976	Seq. ID	OJ990721_12.0210.C4
Gene No.	29837	Strand	+
Start	191	End	569
Name	OJ990721_12.0210.C4.o1.gs	Method	GENSCAN
Start	191	End	569
GI	none	Score	.91
Exons	191..306, 387..569		

Seq. No.	13977	Seq. ID	OJ990721_12.0210.C5
Gene No.	29838	Strand	+
Start	55	End	403
Name	OJ990721_12.0210.C5.o1.gs	Method	GENSCAN
Start	55	End	403
GI	none	Score	.79
Exons	55..95, 310..403		

Seq. No.	13978	Seq. ID	OJ990721_12.0210.C8
Gene No.	29839	Strand	+
Start	267	End	391
Name	OJ990721_12.0210.C8.o1.gs	Method	GENSCAN
Start	267	End	391
GI	none	Score	.88
Exons	267..391		

Seq. No.	13979	Seq. ID	OJ990721_12.0210.C9
Gene No.	29840	Strand	+
Start	228	End	485
Name	OJ990721_12.0210.C9.o1.gs	Method	GENSCAN
Start	228	End	485
GI	none	Score	.62
Exons	228..359, 444..485		

Seq. No.	13979	Seq. ID	OJ990721_12.0210.C9
Gene No.	29840	Strand	+
Start	228	End	485
Name	OJ990721_12.0210.C9.o1.np	Method	AAT/NAP
Start	228	End	485
GI	4455367	Score	121
Exons	228..359, 444..485		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	13980	Seq. ID	OJ990721_12.0210.C14
Gene No.	29841	Strand	+
Start	167	End	1968
Name	OJ990721_12.0210.C14.o1.np	Method	AAT/NAP
Start	167	End	1968
GI	4234953	Score	373
Exons	167..602, 654..909, 971..1551, 1933..1968		
GI Descrip.	(AF098970) NBS-LRR-like protein cD7 [Phaseolus vulgaris]		

Seq. No.	13980	Seq. ID	OJ990721_12.0210.C14
Gene No.	29841	Strand	+
Start	167	End	1968
Name	OJ990721_12.0210.C14.o1.ts	Method	TBLASTX:Soybean
Start	272	End	589
GI	none	Score	164
Exons	272..499, 494..589		

Seq. No.	13980	Seq. ID	OJ990721_12.0210.C14
Gene No.	29841	Strand	+
Start	167	End	1968
Name	OJ990721_12.0210.C14.o1.gs	Method	GENSCAN
Start	323	End	1128
GI	none	Score	.67
Exons	323..692, 964..1128		

Seq. No.	13981	Seq. ID	OJ990721_12.0210.C15
Gene No.	29842	Strand	+
Start	1	End	782
Name	OJ990721_12.0210.C15.o1.np	Method	AAT/NAP
Start	1	End	782
GI	2943742	Score	159
Exons	1..281, 486..782		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	13982	Seq. ID	OJ990721_12.0210.C16
Gene No.	29843	Strand	+
Start	777	End	3178
Name	OJ990721_12.0210.C16.o1.np	Method	AAT/NAP
Start	777	End	3178
GI	1947160	Score	68
Exons	777..948, 1132..1253, 3159..3178		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	13982	Seq. ID	OJ990721_12.0210.C16
Gene No.	29843	Strand	+
Start	777	End	3178
Name	OJ990721_12.0210.C16.o1.gp	Method	AAT/GAP
Start	2752	End	2994
GI	34661_1.R1084	Score	424
Exons	2752..2994		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	13982	Seq. ID	OJ990721_12.0210.C16
Gene No.	29844	Strand	-
Start	2897	End	3178
Name	OJ990721_12.0210.C16.o2.np	Method	AAT/NAP
Start	2897	End	3178
GI	4584541	Score	65
Exons	2897..2992, 3159..3178		
GI Descrip.	(AL049608) 3-hydroxyisobutyryl-coenzyme A hydrolase-like protein [Arabidopsis thaliana]		

Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29845	Strand	+
Start	15140	End	15665
Name	OJ990721_12.0210.C17.o2.np	Method	AAT/NAP
Start	15140	End	15665
GI	6683052	Score	243
Exons	15140..15665		
GI Descrip.	(AB027455) anthocyanin 5-O-glucosyltransferase [Petunia x hybrida]		

Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29846	Strand	-
Start	210	End	12321
Name	OJ990721_12.0210.C17.o1.np	Method	AAT/NAP
Start	210	End	5973
GI	4584541	Score	1000
Exons	210..305, 685..790, 905..1032, 1178..1356, 1755..1884,		

	2860..2956, 3064..3198, 4795..4859, 4984..5085, 5868..5973		
GI Descrip.	(AL049608) 3-hydroxyisobutyryl-coenzyme A hydrolase-like protein [Arabidopsis thaliana]		
Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29846	Strand	-
Start	210	End	12321
Name	OJ990721_12.0210.C17.o1.gs	Method	GENSCAN
Start	641	End	12321
GI	none	Score	.44
Exons	641..823, 905..1032, 1178..1356, 1755..1884, 2190..2252, 2860..2956, 4795..4949, 4984..5085, 5868..6045, 8301..8388, 8608..8780, 11923..12321		
Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29846	Strand	-
Start	210	End	12321
Name	OJ990721_12.0210.C17.o1.gp	Method	AAT/GAP
Start	685	End	2961
GI	34661_1.R1084	Score	1160
Exons	685..790, 905..1032, 1178..1356, 1755..1884, 2860..2961		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29846	Strand	-
Start	210	End	12321
Name	OJ990721_12.0210.C17.o2.gp	Method	AAT/GAP
Start	4808	End	6179
GI	26677_1.R1084	Score	767
Exons	4808..4859, 4984..5085, 5868..6179		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		
Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29847	Strand	-
Start	14671	End	15661
Name	OJ990721_12.0210.C17.o1.tm	Method	TBLASTX:Maize
Start	689	End	6078
GI	none	Score	149
Exons	689..811, 690..791, 899..1036, 902..1039, 903..1037, 910..1038, 1178..1351, 1179..1355, 1180..1356, 1243..1356, 1754..1885, 1755..1886, 1757..1870, 2703..2753, 2839..2961, 2839..2940, 2859..2957, 2891..2974, 3055..3201, 3065..3199, 4786..4866, 4787..4864, 4982..5095, 4983..5087, 4986..5096, 4988..5095, 5869..6009, 5870..5956, 6025..6078, 6027..6068		
Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29847	Strand	-
Start	14671	End	15661
Name	OJ990721_12.0210.C17.o1.ts	Method	TBLASTX:Soybean
Start	1817	End	5956
GI	none	Score	68
Exons	1817..1870, 1818..1886, 2891..2965, 2907..2960, 3055..3201, 3074..3199, 3076..3201, 4840..4863, 4982..5095, 4983..5087, 5869..5955, 5870..5956		

Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29847	Strand	-
Start	14671	End	15661
Name	OJ990721_12.0210.C17.o2.tc	Method	TBLASTX:Cress
Start	3130	End	5988
GI	none	Score	103
Exons	3130..3201, 4786..4863, 4787..4864, 4787..4864, 4794..4865, 4982..5095, 4983..5087, 5009..5095, 5869..5988, 5870..5956		

Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29847	Strand	-
Start	14671	End	15661
Name	OJ990721_12.0210.C17.o2.gs	Method	GENSCAN
Start	14671	End	15640
GI	none	Score	.85
Exons	14671..14690, 15121..15640		

Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29847	Strand	-
Start	14671	End	15661
Name	OJ990721_12.0210.C17.o1.tc	Method	TBLASTX:Cress
Start	15149	End	15661
GI	none	Score	80
Exons	15149..15280, 15389..15661, 15481..15603		

Seq. No.	13983	Seq. ID	OJ990721_12.0210.C17
Gene No.	29847	Strand	-
Start	14671	End	15661
Name	OJ990721_12.0210.C17.o2.tm	Method	TBLASTX:Maize
Start	15373	End	15618
GI	none	Score	218
Exons	15373..15618, 15374..15616		

Seq. No.	13984	Seq. ID	OJ990721_12.0210.C18
Gene No.	29848	Strand	+
Start	1	End	363
Name	OJ990721_12.0210.C18.o1.np	Method	AAT/NAP
Start	1	End	354
GI	2829862	Score	299
Exons	1..354		
GI Descrip.	(AC002396) Similar to glucosyltransferases [Arabidopsis thaliana]		

Seq. No.	13984	Seq. ID	OJ990721_12.0210.C18
Gene No.	29848	Strand	+
Start	1	End	363
Name	OJ990721_12.0210.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	342
GI	none	Score	172
Exons	1..171, 12..110, 247..342		

Seq. No.	13984	Seq. ID	OJ990721_12.0210.C18
Gene No.	29848	Strand	+
Start	1	End	363
Name	OJ990721_12.0210.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	342
GI	none	Score	193

Exons	1..159, 18..95, 232..342		
Seq. No.	13984	Seq. ID	OJ990721_12.0210.C18
Gene No.	29848	Strand	+
Start	1	End	363
Name	OJ990721_12.0210.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	156
GI	none	Score	193
Exons	1..156, 9..116, 25..144		
Seq. No.	13984	Seq. ID	OJ990721_12.0210.C18
Gene No.	29848	Strand	+
Start	1	End	363
Name	OJ990721_12.0210.C18.o1.gs	Method	GENSCAN
Start	82	End	363
GI	none	Score	.98
Exons	82..363		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29849	Strand	+
Start	446	End	807
Name	OJ990721_12.0210.C19.o1.gs	Method	GENSCAN
Start	446	End	807
GI	none	Score	.81
Exons	446..535, 580..807		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29850	Strand	+
Start	1147	End	5359
Name	OJ990721_12.0210.C19.o2.gs	Method	GENSCAN
Start	1147	End	5296
GI	none	Score	.74
Exons	1147..1183, 1215..1520, 1609..1992, 2268..3097, 3227..3400, 3455..3631, 3707..5296		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29850	Strand	+
Start	1147	End	5359
Name	OJ990721_12.0210.C19.o2.np	Method	AAT/NAP
Start	1456	End	5359
GI	5922631	Score	1843
Exons	1456..1552, 1609..1743, 1987..2413, 2456..2711, 2838..3643, 4250..5359		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29851	Strand	-
Start	1	End	2105
Name	OJ990721_12.0210.C19.o1.np	Method	AAT/NAP
Start	1	End	2105
GI	6721512	Score	72

Exons	1..95, 301..370, 399..547, 2080..2105		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29852	Strand	
Start	2014	End	2431
Name	OJ990721_12.0210.C19.o3.tm	Method	TBLASTX:Maize
Start	2014	End	2269
GI	none	Score	181
Exons	2014..2088, 2030..2269		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29852	Strand	
Start	2014	End	2431
Name	OJ990721_12.0210.C19.o5.tw	Method	TBLASTX:Wheat
Start	2033	End	2431
GI	none	Score	243
Exons	2033..2431, 2047..2085, 2158..2340		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29853	Strand	
Start	3014	End	3469
Name	OJ990721_12.0210.C19.o3.tw	Method	TBLASTX:Wheat
Start	3014	End	3469
GI	none	Score	154
Exons	3014..3196, 3022..3195, 3233..3469, 3235..3351, 3245..3454		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29854	Strand	
Start	3661	End	4147
Name	OJ990721_12.0210.C19.o1.tw	Method	TBLASTX:Wheat
Start	3661	End	4116
GI	none	Score	537
Exons	3661..4116, 3662..4105, 3700..4116		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29854	Strand	
Start	3661	End	4147
Name	OJ990721_12.0210.C19.o1.tm	Method	TBLASTX:Maize
Start	3791	End	4147
GI	none	Score	406
Exons	3791..4147, 3826..4146		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29855	Strand	
Start	4175	End	4711
Name	OJ990721_12.0210.C19.o2.tm	Method	TBLASTX:Maize
Start	4175	End	4558
GI	none	Score	312
Exons	4175..4558, 4210..4287, 4342..4557		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29855	Strand	
Start	4175	End	4711
Name	OJ990721_12.0210.C19.o2.tw	Method	TBLASTX:Wheat
Start	4232	End	4656
GI	none	Score	445

Exons	4232..4654, 4235..4621, 4342..4656		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29855	Strand	
Start	4175	End	4711
Name	OJ990721_12.0210.C19.o1.ts	Method	TBLASTX:Soybean
Start	4343	End	4711
GI	none	Score	270
Exons	4343..4711, 4345..4461		
Seq. No.	13985	Seq. ID	OJ990721_12.0210.C19
Gene No.	29856	Strand	
Start	4801	End	5209
Name	OJ990721_12.0210.C19.o4.tw	Method	TBLASTX:Wheat
Start	4801	End	5209
GI	none	Score	196
Exons	4801..5028, 4802..5026, 5036..5209, 5054..5206		
Seq. No.	13986	Seq. ID	OJ990721_12.0210.C20
Gene No.	29857	Strand	+
Start	1	End	1351
Name	OJ990721_12.0210.C20.o1.np	Method	AAT/NAP
Start	1	End	1348
GI	5902445	Score	1195
Exons	1..1348		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	13986	Seq. ID	OJ990721_12.0210.C20
Gene No.	29857	Strand	+
Start	1	End	1351
Name	OJ990721_12.0210.C20.o1.gs	Method	GENSCAN
Start	54	End	1351
GI	none	Score	.69
Exons	54..191, 240..409, 593..907, 1073..1351		
Seq. No.	13986	Seq. ID	OJ990721_12.0210.C20
Gene No.	29858	Strand	-
Start	2217	End	3652
Name	OJ990721_12.0210.C20.o1.tm	Method	TBLASTX:Maize
Start	224	End	529
GI	none	Score	331
Exons	224..529, 241..528		
Seq. No.	13986	Seq. ID	OJ990721_12.0210.C20
Gene No.	29858	Strand	-
Start	2217	End	3652
Name	OJ990721_12.0210.C20.o2.tw	Method	TBLASTX:Wheat
Start	224	End	607
GI	none	Score	339
Exons	224..607, 232..606		
Seq. No.	13986	Seq. ID	OJ990721_12.0210.C20
Gene No.	29858	Strand	-
Start	2217	End	3652
Name	OJ990721_12.0210.C20.o1.tw	Method	TBLASTX:Wheat
Start	731	End	1339
GI	none	Score	342

Exons 731..1183, 746..841, 880..987, 1208..1339

Seq. No.	13986	Seq. ID	OJ990721_12.0210.C20
Gene No.	29858	Strand	-
Start	2217	End	3652
Name	OJ990721_12.0210.C20.o2.gs	Method	GENSCAN
Start	2217	End	3554
GI	none	Score	.56
Exons	2217..2458, 2584..2729, 2858..3153, 3190..3554		

Seq. No.	13986	Seq. ID	OJ990721_12.0210.C20
Gene No.	29858	Strand	-
Start	2217	End	3652
Name	OJ990721_12.0210.C20.o2.np	Method	AAT/NAP
Start	2857	End	3652
GI	6721561	Score	847
Exons	2857..3652		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13987	Seq. ID	OJ990721_12.0210.C21
Gene No.	29859	Strand	-
Start	1	End	1358
Name	OJ990721_12.0210.C21.o1.np	Method	AAT/NAP
Start	1	End	617
GI	6539586	Score	136
Exons	1..97, 145..617		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	13987	Seq. ID	OJ990721_12.0210.C21
Gene No.	29859	Strand	-
Start	1	End	1358
Name	OJ990721_12.0210.C21.o2.np	Method	AAT/NAP
Start	1	End	592
GI	6721558	Score	117
Exons	1..41, 461..592		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13987	Seq. ID	OJ990721_12.0210.C21
Gene No.	29859	Strand	-
Start	1	End	1358
Name	OJ990721_12.0210.C21.o1.gs	Method	GENSCAN
Start	8	End	1358
GI	none	Score	.87
Exons	8..180, 493..620, 1197..1218, 1274..1358		

Seq. No.	13987	Seq. ID	OJ990721_12.0210.C21
Gene No.	29860	Strand	-
Start	1423	End	1540
Name	OJ990721_12.0210.C21.o3.np	Method	AAT/NAP
Start	1423	End	1540
GI	6721512	Score	68

Exons	1423..1540		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	13987	Seq. ID	OJ990721_12.0210.C21
Gene No.	29861	Strand	-
Start	3246	End	3540
Name	OJ990721_12.0210.C21.o2.gs	Method	GENSCAN
Start	3246	End	3540
GI	none	Score	.67
Exons	3246..3302, 3520..3540		
Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29862	Strand	+
Start	2184	End	5159
Name	OJ990721_12.0210.C22.o2.gs	Method	GENSCAN
Start	2184	End	5159
GI	none	Score	.66
Exons	2184..3185, 3261..3434, 3439..3544, 4848..5038, 5136..5159		
Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29862	Strand	+
Start	2184	End	5159
Name	OJ990721_12.0210.C22.o1.np	Method	AAT/NAP
Start	2193	End	3246
GI	130582	Score	530
Exons	2193..3246		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29863	Strand	+
Start	5922	End	8812
Name	OJ990721_12.0210.C22.o3.np	Method	AAT/NAP
Start	5922	End	8812
GI	4895224	Score	43
Exons	5922..5964, 7322..7537, 8784..8812		
GI Descrip.	(AC007660) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29864	Strand	+
Start	14304	End	14597
Name	OJ990721_12.0210.C22.o5.gs	Method	GENSCAN
Start	14304	End	14597
GI	none	Score	.86
Exons	14304..14597		
Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29865	Strand	+
Start	17061	End	20298
Name	OJ990721_12.0210.C22.o7.gs	Method	GENSCAN
Start	17061	End	19370
GI	none	Score	.41
Exons	17061..17433, 17913..18086, 18186..18446, 18962..19198, 19246..19370		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29865	Strand	+
Start	17061	End	20298
Name	OJ990721_12.0210.C22.o6.np	Method	AAT/NAP
Start	17142	End	20298
GI	6016874	Score	280
Exons	17142..17360, 17419..17656, 18047..18118, 18218..18301, 18712..18867, 18964..19353, 20063..20104, 20185..20298		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29866	Strand	-
Start	134	End	595
Name	OJ990721_12.0210.C22.o1.gp	Method	AAT/GAP
Start	134	End	595
GI	2309682	Score	736
Exons	134..595		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29867	Strand	-
Start	5707	End	7820
Name	OJ990721_12.0210.C22.o2.np	Method	AAT/NAP
Start	5707	End	7820
GI	3935156	Score	712
Exons	5707..6651, 6700..7182, 7664..7820		
GI Descrip.	(AC005106) T25N20.20 [Arabidopsis thaliana]		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29868	Strand	-
Start	8959	End	13727
Name	OJ990721_12.0210.C22.o4.gs	Method	GENSCAN
Start	8959	End	13727
GI	none	Score	.81
Exons	8959..9086, 10903..11111, 11301..11422, 11733..11836, 12235..12265, 13064..13203, 13333:.13430, 13606..13727		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29868	Strand	-
Start	8959	End	13727
Name	OJ990721_12.0210.C22.o4.np	Method	AAT/NAP
Start	10786	End	13670
GI	2947060	Score	1024
Exons	10786..11210, 11301..11422, 11733..11836, 12235..12265, 13064..13203, 13333..13430, 13569..13670		
GI Descrip.	(AC002521) unknown protein [Arabidopsis thaliana]		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29868	Strand	-
Start	8959	End	13727
Name	OJ990721_12.0210.C22.o2.gp	Method	AAT/GAP
Start	10954	End	13720
GI	7928_1.R1084	Score	1558
Exons	10954..11210, 11301..11422, 11733..11836, 12235..12265, 13064..13203, 13333..13430, 13569..13720		

GI Descrip. '2947060 1.0e-102 (AC002521) putative membrane protein [Arabidopsis thaliana]'

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29869	Strand	-
Start	15024	End	15383
Name	OJ990721_12.0210.C22.o6.gs	Method	GENSCAN
Start	15024	End	15383
GI	none	Score	.79
Exons	15024..15029, 15123..15257, 15327..15383		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o3.tm	Method	TBLASTX:Maize
Start	5941	End	6386
GI	none	Score	160
Exons	5941..6138, 5984..6109, 6217..6261, 6291..6386		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o1.tc	Method	TBLASTX:Cress
Start	5947	End	7189
GI	none	Score	130
Exons	5947..6138, 5978..6088, 6043..6090, 6119..6142, 6238..6255, 6267..6371, 6471..6518, 6614..6667, 6680..6940, 6684..6926, 6938..6991, 7055..7189		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o1.tw	Method	TBLASTX:Wheat
Start	5971	End	6362
GI	none	Score	135
Exons	5971..6138, 5996..6142, 6093..6140, 6220..6270, 6267..6362		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o2.ts	Method	TBLASTX:Soybean
Start	5971	End	6258
GI	none	Score	155
Exons	5971..6135, 5978..6142, 6214..6258		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o5.tm	Method	TBLASTX:Maize
Start	6726	End	7010
GI	none	Score	189
Exons	6726..7010, 6758..7009		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o1.tm	Method	TBLASTX:Maize

Start	10710	End	13171
GI	none	Score	170
Exons	10710..10889, 10730..10879, 10883..10930, 10937..11017, 10943..11017, 11009..11212, 11010..11213, 11019..11216, 11265..11429, 11298..11423, 11299..11430, 11300..11431, 11726..11836, 11728..11835, 11732..11836, 11733..11837, 11734..11838, 13061..13108, 13094..13171, 13094..13165, 13096..13170		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o1.ts	Method	TBLASTX:Soybean
Start	11036	End	13644
GI	none	Score	84
Exons	11036..11107, 11039..11107, 11118..11213, 11123..11224, 11129..11224, 11298..11423, 11300..11431, 11733..11837, 11734..11838, 11743..11847, 11951..11965, 13052..13156, 13061..13168, 13062..13166, 13332..13397, 13334..13399, 13593..13643, 13594..13644		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o2.tm	Method	TBLASTX:Maize
Start	17393	End	17704
GI	none	Score	45
Exons	17393..17440, 17459..17704, 17470..17673		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o4.tm	Method	TBLASTX:Maize
Start	17999	End	18355
GI	none	Score	143
Exons	17999..18094, 18004..18093, 18173..18355, 18178..18336		

Seq. No.	13988	Seq. ID	OJ990721_12.0210.C22
Gene No.	29870	Strand	-
Start	19937	End	20131
Name	OJ990721_12.0210.C22.o8.gs	Method	GENSCAN
Start	19937	End	20131
GI	none	Score	.41
Exons	19937..20061, 20116..20131		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29871	Strand	+
Start	78	End	443
Name	OJ990721_12.0210.C23.o1.gs	Method	GENSCAN
Start	78	End	443
GI	none	Score	.7
Exons	78..443		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29872	Strand	+
Start	3067	End	3778
Name	OJ990721_12.0210.C23.o1.gp	Method	AAT/GAP

Start	3020	End	3778
GI	57500_1.R1084	Score	1429
Exons	3020..3778		
GI Descrip.	'5669634/gb|AAD46402.1|AF096246_1 5.0e-25 (AF096246) ethylene-responsive transcriptional coactivator [Lycopersicon esculentum]'		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29872	Strand	+
Start	3067	End	3778
Name	OJ990721_12.0210.C23.o3.gs	Method	GENSCAN
Start	3067	End	3534
GI	none	Score	.95
Exons	3067..3534		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29872	Strand	+
Start	3067	End	3778
Name	OJ990721_12.0210.C23.o1.np	Method	AAT/NAP
Start	3070	End	3507
GI	5669634	Score	395
Exons	3070..3507		
GI Descrip.	(AF096246) ethylene-responsive transcriptional coactivator [Lycopersicon esculentum]		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29873	Strand	+
Start	8519	End	13688
Name	OJ990721_12.0210.C23.o3.np	Method	AAT/NAP
Start	8519	End	13688
GI	4680186	Score	345
Exons	8519..8564, 12617..12671, 13489..13688		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29874	Strand	-
Start	1132	End	1841
Name	OJ990721_12.0210.C23.o2.gs	Method	GENSCAN
Start	1132	End	1841
GI	none	Score	.66
Exons	1132..1735, 1765..1841		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o2.tc	Method	TBLASTX:Cress
Start	3084	End	3489
GI	none	Score	125
Exons	3084..3212, 3088..3213, 3265..3489, 3267..3488		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o2.tm	Method	TBLASTX:Maize
Start	3084	End	3489
GI	none	Score	118
Exons	3084..3206, 3088..3213, 3265..3489, 3357..3488		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o3.ts	Method	TBLASTX:Soybean
Start	3088	End	3489
GI	none	Score	121
Exons	3088..3213, 3102..3206, 3265..3489		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o3.tw	Method	TBLASTX:Wheat
Start	3265	End	3489
GI	none	Score	184
Exons	3265..3489, 3366..3488		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o2.ts	Method	TBLASTX:Soybean
Start	4955	End	5772
GI	none	Score	242
Exons	4955..5254, 4969..5250, 5439..5531, 5468..5542, 5630..5752, 5632..5772		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o1.tm	Method	TBLASTX:Maize
Start	4969	End	10016
GI	none	Score	144
Exons	4969..5250, 5000..5263, 5442..5543, 5468..5542, 5620..5772, 5621..5734, 5922..6077, 5929..6075, 6168..6341, 6235..6339, 6410..6511, 6423..6509, 6879..7037, 6895..7113, 7077..7274, 7345..7488, 7352..7492, 9936..10016		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o4.gs	Method	GENSCAN
Start	4975	End	13518
GI	none	Score	.81
Exons	4975..5248, 5372..5389, 5469..5530, 5632..5769, 5937..6341, 6419..6508, 6870..7253, 7336..7478, 9965..10224, 11596..11766, 12264..12401, 13454..13518		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o2.np	Method	AAT/NAP
Start	4978	End	10191
GI	1743354	Score	1213
Exons	4978..5248, 5469..5530, 5632..5769, 5937..6074, 6168..6341, 6419..6508, 6870..7253, 7336..7478, 9965..10191		
GI Descrip.	(Y09876) aldehyde dehydrogenase (NAD+) [Nicotiana tabacum]		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o1.tc	Method	TBLASTX:Cress
Start	5060	End	10019
GI	none	Score	48
Exons	5060..5113, 5113..5244, 5117..5263, 5442..5543, 5471..5542, 5632..5727, 5722..5772, 5934..6077, 5965..6135, 6168..6341, 6172..6342, 6410..6514, 6423..6509, 6879..7274, 6895..7044, 7072..7113, 7345..7488, 7352..7492, 9936..10019		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o4.tw	Method	TBLASTX:Wheat
Start	5071	End	5263
GI	none	Score	101
Exons	5071..5259, 5072..5263		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o2.tw	Method	TBLASTX:Wheat
Start	5468	End	7055
GI	none	Score	63
Exons	5468..5506, 5620..5673, 5689..5769, 5922..6074, 6171..6227, 6222..6293, 6285..6341, 6410..6511, 6438..6506, 6867..7055, 6892..7044		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o1.ts	Method	TBLASTX:Soybean
Start	5946	End	10022
GI	none	Score	94
Exons	5946..6077, 5950..6075, 6168..6341, 6169..6342, 6410..6508, 6414..6509, 6873..6923, 6921..7274, 6922..7119, 6993..7220, 7334..7492, 7345..7488, 9936..10022		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o1.tw	Method	TBLASTX:Wheat
Start	7080	End	7480
GI	none	Score	114
Exons	7080..7244, 7080..7274, 7340..7480, 7345..7479		

Seq. No.	13989	Seq. ID	OJ990721_12.0210.C23
Gene No.	29875	Strand	-
Start	4975	End	13622
Name	OJ990721_12.0210.C23.o2.gp	Method	AAT/GAP
Start	13241	End	13622
GI	uC-osflcyp033a04b1	Score	663
Exons	13241..13622		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13990	Seq. ID	OJ990721_12.0210.C24
Gene No.	29876	Strand	+
Start	701	End	2918
Name	OJ990721_12.0210.C24.o1.np	Method	AAT/NAP
Start	701	End	2918
GI	2130141	Score	989
Exons	701..930, 1015..2483, 2864..2918		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	13990	Seq. ID	OJ990721_12.0210.C24
Gene No.	29876	Strand	+
Start	701	End	2918
Name	OJ990721_12.0210.C24.o2.tm	Method	TBLASTX:Maize
Start	1021	End	1389
GI	none	Score	254
Exons	1021..1389, 1038..1331		

Seq. No.	13990	Seq. ID	OJ990721_12.0210.C24
Gene No.	29876	Strand	+
Start	701	End	2918
Name	OJ990721_12.0210.C24.o1.tm	Method	TBLASTX:Maize
Start	1393	End	2021
GI	none	Score	291
Exons	1393..1614, 1398..1613, 1616..1735, 1617..1739, 1716..2021, 1764..1982, 1907..2020		

Seq. No.	13990	Seq. ID	OJ990721_12.0210.C24
Gene No.	29876	Strand	+
Start	701	End	2918
Name	OJ990721_12.0210.C24.o3.tm	Method	TBLASTX:Maize
Start	2136	End	2456
GI	none	Score	102
Exons	2136..2258, 2279..2455, 2283..2456		

Seq. No.	13991	Seq. ID	OJ990721_12.0210.C25
Gene No.	29877	Strand	-
Start	3909	End	4189
Name	OJ990721_12.0210.C25.o2.gs	Method	GENSCAN
Start	3909	End	4189
GI	none	Score	.57
Exons	3909..4109, 4181..4189		

Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o1.tm	Method	TBLASTX:Maize
Start	4632	End	5339
GI	none	Score	208
Exons	4632..4991, 4635..5339, 4642..5331		

Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o1.np	Method	AAT/NAP
Start	4665	End	7546
GI	6630685	Score	4219

Exons	4665..7207, 7461..7546		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o2.ts	Method	TBLASTX:Soybean
Start	4680	End	5321
GI	none	Score	103
Exons	4680..4913, 4932..5321, 4933..5097, 4938..5132		
Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o2.tc	Method	TBLASTX:Cress
Start	4683	End	5138
GI	none	Score	65
Exons	4683..4895, 4914..5048, 5052..5138		
Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o4.tw	Method	TBLASTX:Wheat
Start	4716	End	5183
GI	none	Score	123
Exons	4716..4904, 4923..5183		
Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o3.tm	Method	TBLASTX:Maize
Start	5454	End	5889
GI	none	Score	470
Exons	5454..5888, 5455..5889		
Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o1.ts	Method	TBLASTX:Soybean
Start	5692	End	6299
GI	5509260	Score	296
Exons	5692..6075, 5694..6074, 6069..6209, 6084..6299, 6247..6297		
GI Descrip.	-		
Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o1.tw	Method	TBLASTX:Wheat
Start	5700	End	6174
GI	none	Score	172
Exons	5700..6050, 5712..6053, 5719..6051, 5849..6055, 5908..6063, 6055..6081, 6084..6158, 6085..6174		
Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546

Name	OJ990721_12.0210.C26.o3.tc	Method	TBLASTX:Cress
Start	5811	End	6092
GI	none	Score	91
Exons	5811..6092, 5830..6090		

Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o4.tm	Method	TBLASTX:Maize
Start	6007	End	6326
GI	none	Score	360
Exons	6007..6324, 6009..6326		

Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o2.tm	Method	TBLASTX:Maize
Start	6333	End	7196
GI	none	Score	45
Exons	6333..7133, 6415..6456, 6460..7134, 7143..7196, 7150..7191		

Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o3.tw	Method	TBLASTX:Wheat
Start	6438	End	6782
GI	none	Score	45
Exons	6438..6518, 6438..6518, 6518..6583, 6529..6693, 6540..6704, 6693..6782, 6704..6772, 6706..6780		

Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o3.ts	Method	TBLASTX:Soybean
Start	6564	End	7025
GI	none	Score	113
Exons	6564..7025, 6648..7001, 6715..7005		

Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o1.tc	Method	TBLASTX:Cress
Start	6567	End	6989
GI	none	Score	220
Exons	6567..6989		

Seq. No.	13992	Seq. ID	OJ990721_12.0210.C26
Gene No.	29878	Strand	-
Start	4665	End	7546
Name	OJ990721_12.0210.C26.o2.tw	Method	TBLASTX:Wheat
Start	6870	End	7166
GI	none	Score	173
Exons	6870..7166, 6871..7146		

Seq. No.	13993	Seq. ID	OJ990721_12.0210.C27
Gene No.	29879	Strand	+
Start	751	End	4028

Name	OJ990721_12.0210.C27.o1.gs	Method	GENSCAN
Start	751	End	2611
GI	none	Score	.68
Exons	751..906, 960..1666, 1684..1820, 1929..2611		

Seq. No.	13993	Seq. ID	OJ990721_12.0210.C27
Gene No.	29879	Strand	+
Start	751	End	4028
Name	OJ990721_12.0210.C27.o1.np	Method	AAT/NAP
Start	1484	End	4028
GI	6498441	Score	2753
Exons	1484..2546, 2877..3340, 3404..4028		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13993	Seq. ID	OJ990721_12.0210.C27
Gene No.	29879	Strand	+
Start	751	End	4028
Name	OJ990721_12.0210.C27.o1.tm	Method	TBLASTX:Maize
Start	1673	End	1921
GI	none	Score	194
Exons	1673..1921, 1675..1920		

Seq. No.	13993	Seq. ID	OJ990721_12.0210.C27
Gene No.	29879	Strand	+
Start	751	End	4028
Name	OJ990721_12.0210.C27.o2.tw	Method	TBLASTX:Wheat
Start	1685	End	2023
GI	none	Score	117
Exons	1685..1783, 1702..1782, 1750..1989, 1766..2023		

Seq. No.	13993	Seq. ID	OJ990721_12.0210.C27
Gene No.	29879	Strand	+
Start	751	End	4028
Name	OJ990721_12.0210.C27.o2.gs	Method	GENSCAN
Start	2684	End	3617
GI	none	Score	.48
Exons	2684..2929, 2948..3340, 3404..3617		

Seq. No.	13993	Seq. ID	OJ990721_12.0210.C27
Gene No.	29879	Strand	+
Start	751	End	4028
Name	OJ990721_12.0210.C27.o1.tw	Method	TBLASTX:Wheat
Start	2761	End	3532
GI	none	Score	392
Exons	2761..2934, 2762..3247, 2956..3216, 3335..3532, 3335..3517, 3388..3531		

Seq. No.	13994	Seq. ID	OJ990721_12.0210.C28
Gene No.	29880	Strand	+
Start	528	End	640
Name	OJ990721_12.0210.C28.o1.gs	Method	GENSCAN
Start	528	End	640
GI	none	Score	.52
Exons	528..640		

Seq. No.	13995	Seq. ID	OJ990721_12.0210.C29
Gene No.	29881	Strand	+
Start	104	End	391
Name	OJ990721_12.0210.C29.o1.gs	Method	GENSCAN
Start	104	End	391
GI	none	Score	.77
Exons	104..391		

Seq. No.	13996	Seq. ID	OJ990721_12.0210.C30
Gene No.	29882	Strand	+
Start	304	End	621
Name	OJ990721_12.0210.C30.o1.gs	Method	GENSCAN
Start	304	End	621
GI	none	Score	.68
Exons	304..411, 462..621		

Seq. No.	13996	Seq. ID	OJ990721_12.0210.C30
Gene No.	29883	Strand	-
Start	1	End	942
Name	OJ990721_12.0210.C30.o1.np	Method	AAT/NAP
Start	1	End	942
GI	4680191	Score	46
Exons	1..181, 469..554, 910..942		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	13997	Seq. ID	OJ990721_12.0210.C31
Gene No.	29884	Strand	+
Start	562	End	710
Name	OJ990721_12.0210.C31.o1.gs	Method	GENSCAN
Start	562	End	710
GI	none	Score	1
Exons	562..710		

Seq. No.	13998	Seq. ID	OJ990721_12.0210.C32
Gene No.	29885	Strand	+
Start	1	End	278
Name	OJ990721_12.0210.C32.o1.gp	Method	AAT/GAP
Start	1	End	207
GI	17927_1.R1084	Score	202
Exons	1..28, 118..207		
GI Descrip.	'4371285/gb|AAD18143| 2.0e-41 (AC006260) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13998	Seq. ID	OJ990721_12.0210.C32
Gene No.	29885	Strand	+
Start	1	End	278
Name	OJ990721_12.0210.C32.o1.np	Method	AAT/NAP
Start	1	End	278
GI	6729490	Score	138
Exons	1..28, 120..278		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	13999	Seq. ID	OJ990721_12.0210.C34
Gene No.	29886	Strand	-
Start	1	End	650
Name	OJ990721_12.0210.C34.o1.gp	Method	AAT/GAP

Start	1	End	536
GI	15163_1.R1084	Score	386
Exons	1..24, 107..181, 303..375, 456..536		
GI Descrip.	'6094335/sp|O82147|SPEE_COFAR 1.0e-80 SPERMIDINE SYNTHASE (PUTRESCINE AMINOPROPYLTRANSFERASE) (SPDSY) >gi_3242659_dbj_BAA29033_ (AB015599) spermidine synthase [Coffea arabica]'		

Seq. No.	13999	Seq. ID	OJ990721_12.0210.C34
Gene No.	29886	Strand	-
Start	1	End	650
Name	OJ990721_12.0210.C34.o1.np	Method	AAT/NAP
Start	1	End	650
GI	6468656	Score	251
Exons	1..181, 303..375, 456..560, 595..650		
GI Descrip.	(AJ251298) spermidine synthase 1 [Oryza sativa]		

Seq. No.	13999	Seq. ID	OJ990721_12.0210.C34
Gene No.	29886	Strand	-
Start	1	End	650
Name	OJ990721_12.0210.C34.o1.tc	Method	TBLASTX:Cress
Start	67	End	586
GI	none	Score	73
Exons	67..180, 108..179, 286..387, 302..421, 453..563, 453..563, 455..586		

Seq. No.	13999	Seq. ID	OJ990721_12.0210.C34
Gene No.	29886	Strand	-
Start	1	End	650
Name	OJ990721_12.0210.C34.o1.tm	Method	TBLASTX:Maize
Start	94	End	544
GI	none	Score	100
Exons	94..183, 108..182, 301..387, 304..387, 305..421, 453..530, 454..543, 455..544		

Seq. No.	13999	Seq. ID	OJ990721_12.0210.C34
Gene No.	29886	Strand	-
Start	1	End	650
Name	OJ990721_12.0210.C34.o1.ts	Method	TBLASTX:Soybean
Start	108	End	575
GI	none	Score	49
Exons	108..179, 286..387, 287..367, 453..575, 456..563		

Seq. No.	13999	Seq. ID	OJ990721_12.0210.C34
Gene No.	29886	Strand	-
Start	1	End	650
Name	OJ990721_12.0210.C34.o1.gs	Method	GENSCAN
Start	110	End	375
GI	none	Score	.9
Exons	110..181, 303..375		

Seq. No.	14000	Seq. ID	OJ990721_07.0211.C1
Gene No.	29887	Strand	-
Start	376	End	545
Name	OJ990721_07.0211.C1.o1.gs	Method	GENSCAN
Start	376	End	545
GI	none	Score	.69

Exons	376..545		
Seq. No.	14001	Seq. ID	OJ990721_07.0211.C2
Gene No.	29888	Strand	-
Start	226	End	401
Name	OJ990721_07.0211.C2.o1.gs	Method	GENSCAN
Start	226	End	401
GI	none	Score	.41
Exons	226..401		
Seq. No.	14002	Seq. ID	OJ990721_07.0211.C3
Gene No.	29889	Strand	
Start	2060	End	2426
Name	OJ990721_07.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	2060	End	2426
GI	none	Score	217
Exons	2060..2416, 2060..2146, 2109..2375, 2183..2383, 2305..2391, 2379..2417, 2381..2425, 2382..2426		
Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29890	Strand	+
Start	719	End	1093
Name	OJ990721_07.0211.C4.o1.gp	Method	AAT/GAP
Start	719	End	1093
GI	uC-osflcyp033a04b1	Score	614
Exons	719..1093		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29891	Strand	+
Start	3352	End	7985
Name	OJ990721_07.0211.C4.o2.gs	Method	GENSCAN
Start	3352	End	7351
GI	none	Score	.79
Exons	3352..4932, 4999..5093, 5107..5245, 5618..6274, 6415..7038, 7052..7351		
Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29891	Strand	+
Start	3352	End	7985
Name	OJ990721_07.0211.C4.o2.np	Method	AAT/NAP
Start	3352	End	7985
GI	5922631	Score	3978
Exons	3352..3476, 3729..3973, 4232..4434, 4480..5051, 5094..5245, 5372..6296, 6902..7985		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29892	Strand	-
Start	649	End	5255

Name	OJ990721_07.0211.C4.o1.gs	Method	GENSCAN
Start	649	End	1848
GI	none	Score	.62
Exons	649..850, 949..1002, 1140..1257, 1539..1613, 1695..1848		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29892	Strand	-
Start	649	End	5255
Name	OJ990721_07.0211.C4.o1.np	Method	AAT/NAP
Start	1139	End	5255
GI	6815052	Score	548
Exons	1139..1257, 1539..1613, 1695..1889, 5222..5255		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29892	Strand	-
Start	649	End	5255
Name	OJ990721_07.0211.C4.o4.tw	Method	TBLASTX:Wheat
Start	4656	End	5058
GI	none	Score	282
Exons	4656..4925, 4657..5058		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29893	Strand	
Start	5636	End	6430
Name	OJ990721_07.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	5636	End	6430
GI	none	Score	143
Exons	5636..5812, 5857..6093, 5861..6091, 6140..6430, 6196..6411		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29893	Strand	
Start	5636	End	6430
Name	OJ990721_07.0211.C4.o4.tm	Method	TBLASTX:Maize
Start	5944	End	6139
GI	none	Score	186
Exons	5944..6090, 5945..6139		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29894	Strand	
Start	6432	End	7561
Name	OJ990721_07.0211.C4.o5.tw	Method	TBLASTX:Wheat
Start	6432	End	6666
GI	none	Score	260
Exons	6432..6665, 6433..6666, 6433..6666		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29894	Strand	
Start	6432	End	7561
Name	OJ990721_07.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	6441	End	6798
GI	none	Score	343
Exons	6441..6788, 6442..6798		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29894	Strand	
Start	6432	End	7561

Name	OJ990721_07.0211.C4.o2.tw	Method	TBLASTX:Wheat
Start	6667	End	7074
GI	none	Score	451
Exons	6667..7074, 6669..7073, 6679..7074		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29894	Strand	
Start	6432	End	7561
Name	OJ990721_07.0211.C4.o3.tm	Method	TBLASTX:Maize
Start	6802	End	7059
GI	none	Score	191
Exons	6802..7059, 6804..6842, 6930..7034		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29894	Strand	
Start	6432	End	7561
Name	OJ990721_07.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	6961	End	7363
GI	none	Score	133
Exons	6961..7074, 6978..7073, 7070..7363, 7073..7276, 7249..7329		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29894	Strand	
Start	6432	End	7561
Name	OJ990721_07.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	7063	End	7474
GI	none	Score	226
Exons	7063..7284, 7070..7285, 7070..7288, 7307..7450, 7448..7474		

Seq. No.	14003	Seq. ID	OJ990721_07.0211.C4
Gene No.	29894	Strand	
Start	6432	End	7561
Name	OJ990721_07.0211.C4.o3.tw	Method	TBLASTX:Wheat
Start	7132	End	7561
GI	none	Score	410
Exons	7132..7341, 7136..7561		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29895	Strand	+
Start	1	End	4343
Name	OJ990721_07.0211.C5.o1.np	Method	AAT/NAP
Start	1	End	2647
GI	2130080	Score	188
Exons	1..246, 2038..2227, 2548..2647		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29895	Strand	+
Start	1	End	4343
Name	OJ990721_07.0211.C5.o1.gs	Method	GENSCAN
Start	151	End	4343
GI	none	Score	.6
Exons	151..246, 3194..3405, 3450..3591, 3627..3733, 3739..3841,		

4221..4343

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29896	Strand	+
Start	5905	End	7240
Name	OJ990721_07.0211.C5.o2.gs	Method	GENSCAN
Start	5905	End	7240
GI	none	Score	.43
Exons	5905..5998, 6012..6134, 6492..6574, 7133..7240		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29897	Strand	+
Start	8114	End	21311
Name	OJ990721_07.0211.C5.o3.gs	Method	GENSCAN
Start	8114	End	21311
GI	none	Score	.66
Exons	8114..8171, 8878..9006, 9652..9754, 10163..10284, 10773..10811, 11649..11767, 11873..12020, 13258..13381, 13778..13894, 14259..14458, 14598..14781, 14786..14833, 15011..18931, 19745..19944, 20084..20267, 20272..20319, 20714..20945, 21099..21311		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29897	Strand	+
Start	8114	End	21311
Name	OJ990721_07.0211.C5.o2.np	Method	AAT/NAP
Start	15027	End	18932
GI	6539553	Score	6774
Exons	15027..18932		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29897	Strand	+
Start	8114	End	21311
Name	OJ990721_07.0211.C5.o3.np	Method	AAT/NAP
Start	21104	End	21185
GI	6498434	Score	92
Exons	21104..21185		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o6.tm	Method	TBLASTX:Maize
Start	2034	End	2330
GI	none	Score	192
Exons	2034..2279, 2035..2325, 2035..2253, 2042..2278, 2049..2330		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o4.tw	Method	TBLASTX:Wheat
Start	15021	End	15408
GI	none	Score	350

Exons	15021..15407, 15032..15406, 15145..15408		
Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o2.tm	Method	TBLASTX:Maize
Start	15156	End	15469
GI	none	Score	366
Exons	15156..15467, 15164..15469		
Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	15968	End	16290
GI	none	Score	268
Exons	15968..16222, 15975..16289, 15995..16288, 16123..16290		
Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o5.ts	Method	TBLASTX:Soybean
Start	16317	End	16703
GI	none	Score	88
Exons	16317..16472, 16455..16703		
Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o5.tm	Method	TBLASTX:Maize
Start	16491	End	16925
GI	none	Score	303
Exons	16491..16925, 16700..16900		
Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o5.tw	Method	TBLASTX:Wheat
Start	16568	End	16760
GI	none	Score	275
Exons	16568..16639, 16569..16760, 16569..16760		
Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o3.ts	Method	TBLASTX:Soybean
Start	16713	End	17111
GI	none	Score	197
Exons	16713..16937, 16721..16891, 16722..16892, 16938..17111, 16946..16984		
Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	16761	End	17516
GI	none	Score	634

Exons	16761..17225, 16769..17248, 17269..17499, 17277..17516, 17299..17496, 17357..17515		
Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	17436	End	17900
GI	5509260	Score	382
Exons	17436..17900, 17537..17605, 17654..17749, 17822..17881		
GI Descrip.	-		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o1.tc	Method	TBLASTX:Cress
Start	17529	End	17789
GI	none	Score	286
Exons	17529..17789		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o3.tm	Method	TBLASTX:Maize
Start	17570	End	18017
GI	none	Score	359
Exons	17570..17752, 17571..18017, 17706..17888, 17822..17932		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o3.tw	Method	TBLASTX:Wheat
Start	17571	End	18116
GI	none	Score	318
Exons	17571..17915, 17718..17891, 17910..18116, 17984..18106		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o2.ts	Method	TBLASTX:Soybean
Start	17969	End	18314
GI	none	Score	315
Exons	17969..18169, 17970..18314		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o4.tm	Method	TBLASTX:Maize
Start	18125	End	18464
GI	none	Score	312
Exons	18125..18463, 18126..18464		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o2.tw	Method	TBLASTX:Wheat
Start	18320	End	18796

GI	none	Score	101
Exons	18320..18391, 18321..18395, 18410..18796, 18411..18758		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o4.ts	Method	TBLASTX:Soybean
Start	18327	End	18668
GI	none	Score	91
Exons	18327..18440, 18353..18433, 18459..18668, 18464..18589		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o4.gs	Method	GENSCAN
Start	22504	End	23546
GI	none	Score	.62
Exons	22504..22740, 23183..23323, 23433..23546		

Seq. No.	14004	Seq. ID	OJ990721_07.0211.C5
Gene No.	29898	Strand	-
Start	22504	End	23602
Name	OJ990721_07.0211.C5.o4.np	Method	AAT/NAP
Start	22915	End	23602
GI	5295955	Score	220
Exons	22915..23602		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29899	Strand	+
Start	3057	End	7408
Name	OJ990721_07.0211.C6.o1.gs	Method	GENSCAN
Start	3057	End	6105
GI	none	Score	.66
Exons	3057..3158, 3339..3509, 5137..5269, 5383..5517, 5999..6105		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29899	Strand	+
Start	3057	End	7408
Name	OJ990721_07.0211.C6.o3.gp	Method	AAT/GAP
Start	3367	End	7408
GI	none	Score	711
Exons	3367..3509, 3619..3758, 4313..4366, 7345..7408		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29899	Strand	+
Start	3057	End	7408
Name	OJ990721_07.0211.C6.o2.np	Method	AAT/NAP
Start	6663	End	7115
GI	3913804	Score	509
Exons	6663..7115		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29899	Strand	+

Start	3057	End	7408
Name	OJ990721_07.0211.C6.o2.gs	Method	GENSCAN
Start	6720	End	7028
GI	none	Score	.97
Exons	6720..7028		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29900	Strand	+
Start	7670	End	8064
Name	OJ990721_07.0211.C6.o4.gp	Method	AAT/GAP
Start	7670	End	8064
GI	2428981	Score	741
Exons	7670..8064		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29901	Strand	+
Start	9305	End	9964
Name	OJ990721_07.0211.C6.o5.gp	Method	AAT/GAP
Start	9305	End	9964
GI	none	Score	817
Exons	9305..9370, 9467..9964		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29902	Strand	-
Start	1	End	1654
Name	OJ990721_07.0211.C6.o1.np	Method	AAT/NAP
Start	1	End	1518
GI	4539658	Score	243
Exons	1..44, 1169..1343, 1385..1518		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29902	Strand	-
Start	1	End	1654
Name	OJ990721_07.0211.C6.o1.gp	Method	AAT/GAP
Start	875	End	1153
GI	LIB3475-004-P1-K2-A5	Score	414
Exons	875..969, 991..1153		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29902	Strand	-
Start	1	End	1654
Name	OJ990721_07.0211.C6.o2.gp	Method	AAT/GAP
Start	1390	End	1654
GI	LIB3475-004-P1-K2-A5	Score	398
Exons	1390..1654		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o4.tm	Method	TBLASTX:Maize
Start	763	End	1624

GI	none	Score	77
Exons	763..822, 768..830, 851..979, 854..970, 856..900, 876..986, 974..1000, 992..1108, 993..1121, 1000..1122, 1002..1121, 1365..1481, 1366..1491, 1369..1494, 1370..1507, 1479..1523, 1485..1538, 1487..1537, 1542..1622, 1544..1624, 1564..1623		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o2.ts	Method	TBLASTX:Soybean
Start	6737	End	7118
GI	none	Score	385
Exons	6737..6760, 6780..7118, 6857..7108		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o2.tc	Method	TBLASTX:Cress
Start	6855	End	7118
GI	none	Score	383
Exons	6855..7118, 6857..7108		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o2.tw	Method	TBLASTX:Wheat
Start	6855	End	7112
GI	none	Score	381
Exons	6855..7112, 6857..7108, 6857..6949, 6858..6947		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	6855	End	7118
GI	none	Score	391
Exons	6855..7118, 6857..7108, 7081..7116		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o3.tm	Method	TBLASTX:Maize
Start	8156	End	8451
GI	none	Score	66
Exons	8156..8233, 8157..8228, 8158..8250, 8332..8442, 8337..8447, 8340..8450, 8341..8451		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o6.gp	Method	AAT/GAP
Start	11450	End	12224
GI	5333_1.R1084	Score	1165
Exons	11450..11867, 11979..12224		
GI Descrip.	'6009909/dbj|BAA85117.1| 2.0e-37 (AB018242) histone H2A-like protein [Solanum melongena]'		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o3.gs	Method	GENSCAN
Start	11613	End	12203
GI	none	Score	.99
Exons	11613..11867, 11979..12203		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o3.np	Method	AAT/NAP
Start	11616	End	12203
GI	729671	Score	660
Exons	11616..11867, 11979..12203		
GI Descrip.	HISTONE H2A gi|473603 (U08225) histone H2A [Zea mays]		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	11703	End	12119
GI	none	Score	211
Exons	11703..11867, 11964..12119		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	11703	End	12122
GI	none	Score	97
Exons	11703..11876, 11703..11867, 11964..12119, 11991..12122		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o1.tw	Method	TBLASTX:Wheat
Start	11703	End	12122
GI	none	Score	158
Exons	11703..11870, 11703..11867, 11738..11869, 11964..12119, 11967..12122		

Seq. No.	14005	Seq. ID	OJ990721_07.0211.C6
Gene No.	29903	Strand	-
Start	11613	End	12224
Name	OJ990721_07.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	11703	End	12122
GI	none	Score	137
Exons	11703..11819, 11703..11867, 11710..11820, 11964..12119, 11979..12122		

Seq. No.	14006	Seq. ID	OJ990721_07.0211.C7
Gene No.	29904	Strand	+
Start	210	End	264
Name	OJ990721_07.0211.C7.o1.gs	Method	GENSCAN
Start	210	End	264
GI	none	Score	.64

Exons	210..264		
Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29905	Strand	+
Start	285	End	402
Name	OJ990721_07.0211.C8.o1.np	Method	AAT/NAP
Start	285	End	402
GI	6721543	Score	144
Exons	285..402		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29906	Strand	+
Start	409	End	4279
Name	OJ990721_07.0211.C8.o1.gs	Method	GENSCAN
Start	409	End	1075
GI	none	Score	.96
Exons	409..612, 986..1075		
Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29906	Strand	+
Start	409	End	4279
Name	OJ990721_07.0211.C8.o2.np	Method	AAT/NAP
Start	415	End	4279
GI	5441880	Score	365
Exons	415..701, 4213..4279		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29907	Strand	+
Start	8532	End	10389
Name	OJ990721_07.0211.C8.o4.gs	Method	GENSCAN
Start	8532	End	9067
GI	none	Score	.7
Exons	8532..8704, 8992..9067		
Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29907	Strand	+
Start	8532	End	10389
Name	OJ990721_07.0211.C8.o3.np	Method	AAT/NAP
Start	8714	End	10389
GI	133933	Score	496
Exons	8714..8825, 10028..10389		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|1363605|pir||S58590 ribosomal protein S3 - maize chloroplast gi|12469|emb|CAA68427| (Y00340) ribosomal protein S3 [Zea mays] gi|902260|emb|CAA60324| (X86563) ribosomal protein S3 [Zea mays]		
Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29908	Strand	-
Start	1254	End	3071
Name	OJ990721_07.0211.C8.o2.gs	Method	GENSCAN
Start	1254	End	3071
GI	none	Score	.63
Exons	1254..1319, 1815..2022, 2749..2890, 3065..3071		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29909	Strand	-
Start	4281	End	5641
Name	OJ990721_07.0211.C8.o3.gs	Method	GENSCAN
Start	4281	End	5641
GI	none	Score	.73
Exons	4281..4309, 4852..5125, 5396..5641		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29910	Strand	-
Start	10206	End	10541
Name	OJ990721_07.0211.C8.o2.gp	Method	AAT/GAP
Start	10206	End	10541
GI	2291_1.R1084	Score	581
Exons	10206..10541		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29911	Strand	-
Start	11043	End	19063
Name	OJ990721_07.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	9958	End	10455
GI	none	Score	151
Exons	9958..9984, 10025..10174, 10029..10142, 10038..10175, 10040..10153, 10128..10187, 10140..10433, 10141..10455, 10250..10453		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29911	Strand	-
Start	11043	End	19063
Name	OJ990721_07.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	10038	End	10511
GI	none	Score	89
Exons	10038..10142, 10137..10289, 10140..10391, 10141..10434, 10250..10432, 10369..10434, 10482..10511		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29911	Strand	-
Start	11043	End	19063
Name	OJ990721_07.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	10038	End	10377
GI	none	Score	91
Exons	10038..10142, 10040..10144, 10057..10305, 10128..10289, 10140..10376, 10141..10377		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29911	Strand	-
Start	11043	End	19063
Name	OJ990721_07.0211.C8.o5.gs	Method	GENSCAN
Start	11043	End	17625
GI	none	Score	.61
Exons	11043..11069, 15151..15250, 16289..16388, 17507..17625		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29911	Strand	-
Start	11043	End	19063
Name	OJ990721_07.0211.C8.o3.gp	Method	AAT/GAP
Start	14701	End	17621
GI	45025_1.R1084	Score	1050
Exons	14701..15044, 15151..15262, 17507..17621		
GI Descrip.	'2462828 7.0e-18 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29911	Strand	-
Start	11043	End	19063
Name	OJ990721_07.0211.C8.o4.np	Method	AAT/NAP
Start	15091	End	19063
GI	2462828	Score	396
Exons	15091..15262, 17507..17625, 17873..18006, 19025..19063		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29911	Strand	-
Start	11043	End	19063
Name	OJ990721_07.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	15223	End	18001
GI	none	Score	76
Exons	15223..15291, 17507..17626, 17512..17625, 17879..18001, 17883..17999		

Seq. No.	14007	Seq. ID	OJ990721_07.0211.C8
Gene No.	29911	Strand	-
Start	11043	End	19063
Name	OJ990721_07.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	17569	End	18001
GI	none	Score	209
Exons	17569..17625, 17853..17999, 17870..18001, 17871..17999, 17872..18000		

Seq. No.	14008	Seq. ID	OJ990721_07.0211.C9
Gene No.	29912	Strand	-
Start	1	End	5529
Name	OJ990721_07.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	5110
GI	2462828	Score	336
Exons	1..30, 270..366, 404..608, 700..876, 1901..2024, 5064..5110		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14008	Seq. ID	OJ990721_07.0211.C9
Gene No.	29912	Strand	-
Start	1	End	5529
Name	OJ990721_07.0211.C9.o1.gs	Method	GENSCAN
Start	272	End	5529
GI	none	Score	.7
Exons	272..358, 458..608, 700..876, 1901..1948, 2853..2948, 5206..5529		

Seq. No.	14008	Seq. ID	OJ990721_07.0211.C9
Gene No.	29913	Strand	-

Start	7295	End	8082
Name	OJ990721_07.0211.C9.o2.np	Method	AAT/NAP
Start	7295	End	8082
GI	6815053	Score	121
Exons	7295..7414, 7471..7550, 7934..8082		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	14008	Seq. ID	OJ990721_07.0211.C9
Gene No.	29914	Strand	-
Start	9055	End	13740
Name	OJ990721_07.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	270	End	5479
GI	none	Score	66
Exons	270..353, 271..381, 444..608, 445..606, 483..614, 692..865, 697..879, 5245..5478, 5246..5479		

Seq. No.	14008	Seq. ID	OJ990721_07.0211.C9
Gene No.	29914	Strand	-
Start	9055	End	13740
Name	OJ990721_07.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	270	End	5582
GI	none	Score	105
Exons	270..353, 270..365, 271..360, 458..544, 460..609, 462..611, 462..608, 697..870, 697..879, 1901..1951, 5200..5427, 5204..5422, 5407..5451, 5455..5577, 5460..5582, 5461..5556		

Seq. No.	14008	Seq. ID	OJ990721_07.0211.C9
Gene No.	29914	Strand	-
Start	9055	End	13740
Name	OJ990721_07.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	468	End	879
GI	none	Score	116
Exons	468..608, 469..606, 668..877, 697..879		

Seq. No.	14008	Seq. ID	OJ990721_07.0211.C9
Gene No.	29914	Strand	-
Start	9055	End	13740
Name	OJ990721_07.0211.C9.o2.gs	Method	GENSCAN
Start	9055	End	13246
GI	none	Score	.6
Exons	9055..9131, 10457..10736, 12775..12843, 13064..13246		

Seq. No.	14008	Seq. ID	OJ990721_07.0211.C9
Gene No.	29914	Strand	-
Start	9055	End	13740
Name	OJ990721_07.0211.C9.o3.np	Method	AAT/NAP
Start	10387	End	13740
GI	6048397	Score	219
Exons	10387..10504, 10589..10736, 12775..12843, 13064..13246, 13690..13740		
GI Descrip.	(AF076535) palmitoyl-acyl carrier protein thioesterase [Gossypium hirsutum]		

Seq. No.	14009	Seq. ID	OJ990721_07.0211.C10
Gene No.	29915	Strand	-
Start	1	End	1726
Name	OJ990721_07.0211.C10.o1.np	Method	AAT/NAP

Start	1	End	1465
GI	6664317	Score	322
Exons	1..71, 987..1100, 1200..1465		
GI Descrip.	(AC006932) T27G7.19 [Arabidopsis thaliana]		

Seq. No.	14009	Seq. ID	OJ990721_07.0211.C10
Gene No.	29915	Strand	-
Start	1	End	1726
Name	OJ990721_07.0211.C10.o1.gs	Method	GENSCAN
Start	974	End	1726
GI	none	Score	.6
Exons	974..1726		

Seq. No.	14009	Seq. ID	OJ990721_07.0211.C10
Gene No.	29915	Strand	-
Start	1	End	1726
Name	OJ990721_07.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	987	End	1463
GI	none	Score	118
Exons	987..1100, 989..1099, 1199..1462, 1200..1463		

Seq. No.	14009	Seq. ID	OJ990721_07.0211.C10
Gene No.	29915	Strand	-
Start	1	End	1726
Name	OJ990721_07.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	987	End	1462
GI	none	Score	103
Exons	987..1100, 989..1099, 1199..1462, 1203..1460		

Seq. No.	14009	Seq. ID	OJ990721_07.0211.C10
Gene No.	29915	Strand	-
Start	1	End	1726
Name	OJ990721_07.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	987	End	1463
GI	none	Score	101
Exons	987..1100, 989..1099, 1199..1462, 1215..1463		

Seq. No.	14009	Seq. ID	OJ990721_07.0211.C10
Gene No.	29915	Strand	-
Start	1	End	1726
Name	OJ990721_07.0211.C10.o1.tw	Method	TBLASTX:Wheat
Start	1199	End	1493
GI	none	Score	84
Exons	1199..1264, 1199..1336, 1206..1334, 1332..1493, 1334..1492		

Seq. No.	14010	Seq. ID	OJ990721_07.0211.C11
Gene No.	29916	Strand	-
Start	268	End	1855
Name	OJ990721_07.0211.C11.o1.gs	Method	GENSCAN
Start	268	End	1855
GI	none	Score	.74
Exons	268..1052, 1310..1855		

Seq. No.	14010	Seq. ID	OJ990721_07.0211.C11
Gene No.	29916	Strand	-
Start	268	End	1855
Name	OJ990721_07.0211.C11.o1.tm	Method	TBLASTX:Maize

Start	369	End	1080
GI	none	Score	48
Exons	369..569, 456..557, 594..695, 595..654, 639..1079, 652..1080		

Seq. No.	14010	Seq. ID	OJ990721_07.0211.C11
Gene No.	29916	Strand	-
Start	268	End	1855
Name	OJ990721_07.0211.C11.o2.np	Method	AAT/NAP
Start	583	End	1387
GI	4680209	Score	121
Exons	583..753, 892..1166, 1280..1387		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	14011	Seq. ID	OJ990721_07.0211.C12
Gene No.	29917	Strand	-
Start	1	End	1106
Name	OJ990721_07.0211.C12.o1.np	Method	AAT/NAP
Start	1	End	1106
GI	2130080	Score	264
Exons	1..164, 604..673, 992..1106		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	14011	Seq. ID	OJ990721_07.0211.C12
Gene No.	29917	Strand	-
Start	1	End	1106
Name	OJ990721_07.0211.C12.o1.gs	Method	GENSCAN
Start	37	End	630
GI	none	Score	.69
Exons	37..164, 604..630		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o1.gs	Method	GENSCAN
Start	173	End	13299
GI	none	Score	.4
Exons	173..345, 2002..2106, 2186..2264, 4269..4471, 4519..4679, 4999..5196, 5202..5386, 6456..6571, 7297..7684, 7796..7887, 8541..8664, 8884..9083, 10262..10380, 10436..10569, 10718..11228, 12117..12196, 12835..12912, 13234..13299		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o1.np	Method	AAT/NAP
Start	939	End	3954
GI	2130080	Score	349
Exons	939..1055, 2002..2106, 2186..2264, 2371..2411, 2668..2751, 3879..3954		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza		

sativa]

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o1.ts	Method	TBLASTX:Soybean
Start	985	End	2270
GI	none	Score	72
Exons	985..1056, 986..1060, 1998..2114, 2006..2107, 2181..2270, 2185..2265		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o1.gp	Method	AAT/GAP
Start	4707	End	5196
GI	none	Score	960
Exons	4707..5196		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o2.np	Method	AAT/NAP
Start	7180	End	8648
GI	6539553	Score	1962
Exons	7180..8648		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	7384	End	7699
GI	none	Score	300
Exons	7384..7686, 7385..7690, 7385..7699		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o3.tm	Method	TBLASTX:Maize
Start	8204	End	8513
GI	none	Score	112
Exons	8204..8383, 8206..8385, 8209..8385, 8386..8436, 8387..8437, 8442..8513		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o2.tw	Method	TBLASTX:Wheat
Start	8265	End	8582
GI	none	Score	79
Exons	8265..8348, 8266..8382, 8267..8383, 8443..8538, 8445..8582		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14

Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o2.gp	Method	AAT/GAP
Start	10548	End	10986
GI	LIB3433-052-P1-K1-B4	Score	824
Exons	10548..10986		
GI Descrip.	'473602/gb|U08225|ZMU08225 4.0e-23 Zea mays W-22 histone H2A mRNA, complete cds'		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o4.np	Method	AAT/NAP
Start	11008	End	16367
GI	5441880	Score	1558
Exons	11008..11063, 14303..14621, 14880..14911, 15357..16367		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o3.np	Method	AAT/NAP
Start	12824	End	16367
GI	5441880	Score	1551
Exons	12824..12859, 14301..14621, 14880..14911, 15357..16367		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o2.gs	Method	GENSCAN
Start	13875	End	16572
GI	none	Score	.49
Exons	13875..14398, 14483..15073, 15399..16091, 16238..16499, 16564..16572		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o1.tw	Method	TBLASTX:Wheat
Start	15129	End	15505
GI	none	Score	53
Exons	15129..15188, 15166..15303, 15236..15289, 15328..15504, 15359..15505		

Seq. No.	14012	Seq. ID	OJ990721_07.0211.C14
Gene No.	29918	Strand	-
Start	173	End	16572
Name	OJ990721_07.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	15323	End	15801
GI	none	Score	217
Exons	15323..15796, 15334..15801		

Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29919	Strand	+
Start	2562	End	3307
Name	OJ990721_07.0211.C15.o1.np	Method	AAT/NAP
Start	2562	End	3307
GI	5852093	Score	66
Exons	2562..2944, 3202..3307		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29920	Strand	+
Start	4839	End	11236
Name	OJ990721_07.0211.C15.o3.gs	Method	GENSCAN
Start	4839	End	11236
GI	none	Score	.41
Exons	4839..4979, 5080..5316, 8053..8216, 8265..8351, 9584..9653, 10144..10316, 10458..10692, 11027..11236		

Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29921	Strand	+
Start	12991	End	13419
Name	OJ990721_07.0211.C15.o1.gp	Method	AAT/GAP
Start	12991	End	13419
GI	none	Score	757
Exons	12991..13419		

Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29922	Strand	+
Start	22384	End	22911
Name	OJ990721_07.0211.C15.o8.gs	Method	GENSCAN
Start	22384	End	22911
GI	none	Score	.7
Exons	22384..22620, 22708..22911		

Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29923	Strand	-
Start	3040	End	4041
Name	OJ990721_07.0211.C15.o2.gs	Method	GENSCAN
Start	3040	End	4041
GI	none	Score	.78
Exons	3040..3124, 3842..4041		

Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29924	Strand	-
Start	13120	End	14259
Name	OJ990721_07.0211.C15.o2.np	Method	AAT/NAP
Start	13041	End	14201
GI	4926830	Score	657
Exons	13041..14201		
GI Descrip.	(AC004135) T17H7.15 [Arabidopsis thaliana]		

Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29924	Strand	-
Start	13120	End	14259
Name	OJ990721_07.0211.C15.o4.gs	Method	GENSCAN
Start	13120	End	14259
GI	none	Score	.97

Exons	13120..14259		
Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29925	Strand	-
Start	16642	End	17149
Name	OJ990721_07.0211.C15.o5.gs	Method	GENSCAN
Start	16642	End	17149
GI	none	Score	.6
Exons	16642..16886, 17059..17149		
Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29926	Strand	-
Start	19708	End	24766
Name	OJ990721_07.0211.C15.o3.np	Method	AAT/NAP
Start	19708	End	21103
GI	5911167	Score	410
Exons	19708..20215, 20245..21103		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		
Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29926	Strand	-
Start	19708	End	24766
Name	OJ990721_07.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	19807	End	20091
GI	none	Score	80
Exons	19807..20088, 19816..19920, 19826..20089, 19972..20091		
Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29926	Strand	-
Start	19708	End	24766
Name	OJ990721_07.0211.C15.o4.np	Method	AAT/NAP
Start	20035	End	23788
GI	4680203	Score	371
Exons	20035..20203, 20233..20304, 20467..21119, 23755..23788		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	14013	Seq. ID	OJ990721_07.0211.C15
Gene No.	29926	Strand	-
Start	19708	End	24766
Name	OJ990721_07.0211.C15.o9.gs	Method	GENSCAN
Start	23526	End	24766
GI	none	Score	.81
Exons	23526..23665, 23814..23925, 24256..24353, 24715..24766		
Seq. No.	14014	Seq. ID	OJ990721_07.0211.C17
Gene No.	29927	Strand	-
Start	1	End	784
Name	OJ990721_07.0211.C17.o1.np	Method	AAT/NAP
Start	1	End	784
GI	6907088	Score	254
Exons	1..54, 303..473, 649..784		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	14015	Seq. ID	OJ990721_07.0211.C19
Gene No.	29928	Strand	-
Start	1	End	255
Name	OJ990721_07.0211.C19.o1.gp	Method	AAT/GAP

Start	1	End	87
GI	LIB3475-004-P1-K2-A5	Score	146
Exons	1..87		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	14015	Seq. ID	OJ990721_07.0211.C19
Gene No.	29928	Strand	-
Start	1	End	255
Name	OJ990721_07.0211.C19.o1.np	Method	AAT/NAP
Start	1	End	255
GI	5295955	Score	127
Exons	1..19, 101..255		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	14015	Seq. ID	OJ990721_07.0211.C19
Gene No.	29928	Strand	-
Start	1	End	255
Name	OJ990721_07.0211.C19.o1.gs	Method	GENSCAN
Start	92	End	214
GI	none	Score	.56
Exons	92..214		

Seq. No.	14016	Seq. ID	OJ990721_07.0211.C25
Gene No.	29929	Strand	+
Start	1	End	668
Name	OJ990721_07.0211.C25.o1.np	Method	AAT/NAP
Start	1	End	668
GI	2130080	Score	80
Exons	1..34, 198..333, 555..668		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	14016	Seq. ID	OJ990721_07.0211.C25
Gene No.	29929	Strand	+
Start	1	End	668
Name	OJ990721_07.0211.C25.o1.gs	Method	GENSCAN
Start	217	End	321
GI	none	Score	.59
Exons	217..321		

Seq. No.	14017	Seq. ID	OJ990901_09.0211.C1
Gene No.	29930	Strand	-
Start	16	End	470
Name	OJ990901_09.0211.C1.o1.gs	Method	GENSCAN
Start	16	End	470
GI	none	Score	.75
Exons	16..126, 365..470		

Seq. No.	14018	Seq. ID	OJ990901_09.0211.C3
Gene No.	29931	Strand	-
Start	1	End	765
Name	OJ990901_09.0211.C3.o1.np	Method	AAT/NAP

Start	1	End	765
GI	2832632	Score	146
Exons	1..218, 309..371, 650..765		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14018	Seq. ID	OJ990901_09.0211.C3
Gene No.	29931	Strand	-
Start	1	End	765
Name	OJ990901_09.0211.C3.o1.gp	Method	AAT/GAP
Start	119	End	359
GI	uC-osroM202007b10a1	Score	475
Exons	119..359		
GI Descrip.	'2832632/emb|CAA16761.1| 4.0e-29 (AL021711) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	14018	Seq. ID	OJ990901_09.0211.C3
Gene No.	29931	Strand	-
Start	1	End	765
Name	OJ990901_09.0211.C3.o1.gs	Method	GENSCAN
Start	309	End	740
GI	none	Score	.6
Exons	309..349, 443..607, 667..740		

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29932	Strand	+
Start	1359	End	7048
Name	OJ990901_09.0211.C4.o1.gs	Method	GENSCAN
Start	1359	End	7048
GI	none	Score	.54
Exons	1359..1501, 1902..2332, 2578..2748, 2907..3027, 3404..3433, 3550..3689, 3929..4277, 4613..4742, 4799..5107, 6944..7048		

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29933	Strand	+
Start	14587	End	15036
Name	OJ990901_09.0211.C4.o3.gs	Method	GENSCAN
Start	14587	End	15036
GI	none	Score	.66
Exons	14587..15036		

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29934	Strand	+
Start	16301	End	16381
Name	OJ990901_09.0211.C4.o1.gp	Method	AAT/GAP
Start	16301	End	16381
GI	38012_1.R1084	Score	103
Exons	16301..16381		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29935	Strand	-
Start	1	End	1432
Name	OJ990901_09.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	1432
GI	2832632	Score	386
Exons	1..63, 230..335, 591..656, 1061..1114, 1214..1432		

GI Descrip. (AL021711) hypothetical protein [Arabidopsis thaliana]

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29936	Strand	-
Start	1864	End	15014
Name	OJ990901_09.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	604	End	1463
GI	none	Score	79
Exons	604..672, 606..671, 1014..1112, 1028..1114, 1058..1117, 1062..1118, 1194..1283, 1195..1278, 1211..1291, 1218..1289, 1219..1368, 1277..1456, 1286..1456, 1320..1463		

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29936	Strand	-
Start	1864	End	15014
Name	OJ990901_09.0211.C4.o2.np	Method	AAT/NAP
Start	1864	End	15014
GI	6523547	Score	411
Exons	1864..2101, 3969..4164, 4751..4799, 5029..5172, 13141..13218, 14486..15014		

GI Descrip. (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29936	Strand	-
Start	1864	End	15014
Name	OJ990901_09.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	2081	End	2839
GI	none	Score	109
Exons	2081..2260, 2607..2735, 2618..2734, 2730..2813, 2734..2817, 2743..2817, 2798..2839, 2801..2839		

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29936	Strand	-
Start	1864	End	15014
Name	OJ990901_09.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	2607	End	3640
GI	none	Score	119
Exons	2607..2735, 2618..2734, 2733..2816, 2734..2817, 2798..2839, 2841..2882, 3551..3601, 3599..3640		

Seq. No.	14019	Seq. ID	OJ990901_09.0211.C4
Gene No.	29936	Strand	-
Start	1864	End	15014
Name	OJ990901_09.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	2607	End	2889
GI	none	Score	119
Exons	2607..2735, 2618..2734, 2722..2817, 2723..2812, 2727..2813, 2798..2839, 2811..2840, 2813..2884, 2839..2889, 2841..2882		

Seq. No.	14020	Seq. ID	OJ990901_09.0211.C5
Gene No.	29937	Strand	+
Start	68	End	225
Name	OJ990901_09.0211.C5.o1.gs	Method	GENSCAN
Start	68	End	225
GI	none	Score	.45
Exons	68..225		

Seq. No.	14021	Seq. ID	OJ990901_09.0211.C6
Gene No.	29938	Strand	-
Start	1	End	467
Name	OJ990901_09.0211.C6.o1.np	Method	AAT/NAP
Start	1	End	467
GI	4204276	Score	625
Exons	1..467		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14021	Seq. ID	OJ990901_09.0211.C6
Gene No.	29938	Strand	-
Start	1	End	467
Name	OJ990901_09.0211.C6.o1.gs	Method	GENSCAN
Start	24	End	423
GI	none	Score	.68
Exons	24..423		

Seq. No.	14022	Seq. ID	OJ990901_09.0211.C7
Gene No.	29939	Strand	
Start	226	End	508
Name	OJ990901_09.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	226	End	508
GI	none	Score	176
Exons	226..288, 262..462, 267..455, 289..456, 425..508		

Seq. No.	14023	Seq. ID	OJ990901_09.0211.C8
Gene No.	29940	Strand	-
Start	112	End	3371
Name	OJ990901_09.0211.C8.o1.np	Method	AAT/NAP
Start	112	End	3347
GI	1370172	Score	508
Exons	112..214, 411..539, 733..854, 1287..1352, 2416..2484, 3203..3347		
GI Descrip.	(Z73935) RAB1X [Lotus japonicus]		

Seq. No.	14023	Seq. ID	OJ990901_09.0211.C8
Gene No.	29940	Strand	-
Start	112	End	3371
Name	OJ990901_09.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	403	End	3326
GI	none	Score	114
Exons	403..531, 408..542, 411..542, 725..859, 731..856, 733..864, 1279..1347, 1288..1353, 1289..1360, 2417..2485, 2418..2486, 3279..3326		

Seq. No.	14023	Seq. ID	OJ990901_09.0211.C8
Gene No.	29940	Strand	-
Start	112	End	3371
Name	OJ990901_09.0211.C8.o1.gs	Method	GENSCAN
Start	411	End	3371
GI	none	Score	.74
Exons	411..539, 733..854, 1287..1352, 2416..2544, 3203..3371		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29941	Strand	+
Start	4586	End	5242
Name	OJ990901_09.0211.C9.o2.gs	Method	GENSCAN

Start	4586	End	5242
GI	none	Score	.91
Exons	4586..4639, 4727..5242		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29942	Strand	-
Start	1491	End	2257
Name	OJ990901_09.0211.C9.o1.gs	Method	GENSCAN
Start	1491	End	2257
GI	none	Score	.79
Exons	1491..1718, 2204..2257		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29943	Strand	-
Start	7347	End	10926
Name	OJ990901_09.0211.C9.o3.gs	Method	GENSCAN
Start	7347	End	10401
GI	none	Score	.61
Exons	7347..7702, 8062..8173, 8256..8326, 8684..8724, 8987..9064, 9187..9401, 10135..10401		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29943	Strand	-
Start	7347	End	10926
Name	OJ990901_09.0211.C9.o1.np	Method	AAT/NAP
Start	7554	End	10926
GI	4105798	Score	806
Exons	7554..7702, 8062..8173, 8256..8347, 8476..8558, 8684..8724, 8816..8859, 8987..9064, 9187..9219, 10135..10194, 10335..10423, 10854..10926		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29943	Strand	-
Start	7347	End	10926
Name	OJ990901_09.0211.C9.o1.gp	Method	AAT/GAP
Start	7604	End	10740
GI	18024_1.R1084	Score	1494
Exons	7604..7702, 8062..8173, 8256..8347, 8475..8558, 8684..8728, 8820..8859, 8987..9064, 9187..9219, 10135..10194, 10335..10422, 10578..10740		
GI Descrip.	'4105798 4.0e-58 (AF049930) PGP237-11 [Petunia x hybrida]'		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o2.tm	Method	TBLASTX:Maize
Start	7554	End	9214
GI	none	Score	114
Exons	7554..7700, 7590..7700, 7604..7702, 8059..8172, 8060..8173, 8254..8337, 8258..8350, 8262..8348, 8451..8558, 8476..8559, 8477..8560, 8682..8726, 8683..8727, 8815..8868, 8816..8869, 8958..9059, 8959..9060, 8960..9073, 8961..9065, 9184..9213, 9185..9214		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-

Start	12698	End	15133
Name	OJ990901_09.0211.C9.o2.ts	Method	TBLASTX:Soybean
Start	7593	End	10418
GI	none	Score	88
Exons	7593..7697, 7595..7690, 8059..8172, 8255..8350, 8262..8348, 8467..8568, 8476..8559, 8682..8726, 8683..8730, 8815..8859, 8981..9073, 8983..9084, 9184..9228, 10335..10418		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	7604	End	8557
GI	none	Score	57
Exons	7604..7651, 7667..7690, 8059..8172, 8060..8170, 8255..8350, 8265..8345, 8476..8556, 8477..8557		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o2.tc	Method	TBLASTX:Cress
Start	8685	End	10428
GI	none	Score	106
Exons	8685..8723, 8818..8859, 8981..9073, 8988..9065, 9184..9228, 10135..10197, 10333..10428, 10335..10415		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o2.gp	Method	AAT/GAP
Start	12439	End	13145
GI	LIB3431-047-P1-N1-G4	Score	888
Exons	12439..12730, 12848..12973, 13066..13145		
GI Descrip.	'4204276 2.0e-18 (AC004146) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o4.gs	Method	GENSCAN
Start	12698	End	15062
GI	none	Score	.86
Exons	12698..12730, 12848..12973, 13066..13164, 13245..13413, 13513..13793, 13893..15062		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o2.np	Method	AAT/NAP
Start	12701	End	15133
GI	4204276	Score	956
Exons	12701..12730, 12848..12973, 13066..13164, 13245..13424, 13513..13793, 13893..15133		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-

Start	12698	End	15133
Name	OJ990901_09.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	13081	End	14228
GI	none	Score	66
Exons	13081..13167, 13081..13164, 13243..13422, 13244..13417, 13245..13424, 13510..13584, 13511..13579, 13570..13794, 13572..13796, 13576..13794, 13581..13796, 13628..13837, 13833..14108, 13866..14138, 13945..14139, 14097..14180, 14124..14180, 14126..14227, 14187..14228		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	13302	End	13748
GI	none	Score	77
Exons	13302..13427, 13303..13425, 13510..13584, 13520..13576, 13572..13748, 13579..13743		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o3.gp	Method	AAT/GAP
Start	13392	End	13805
GI	LIB3431-047-P1-K1-G4	Score	589
Exons	13392..13424, 13513..13805		
GI Descrip.	'4204276 1.0e-41 (AC004146) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	14024	Seq. ID	OJ990901_09.0211.C9
Gene No.	29944	Strand	-
Start	12698	End	15133
Name	OJ990901_09.0211.C9.o3.tm	Method	TBLASTX:Maize
Start	14232	End	14552
GI	none	Score	70
Exons	14232..14303, 14243..14305, 14243..14314, 14310..14477, 14315..14488, 14316..14483, 14335..14490, 14474..14551, 14486..14551, 14505..14552		

Seq. No.	14025	Seq. ID	OJ990901_09.0211.C10
Gene No.	29945	Strand	-
Start	1	End	3467
Name	OJ990901_09.0211.C10.o1.np	Method	AAT/NAP
Start	1	End	3455
GI	6630738	Score	965
Exons	1..334, 435..483, 963..1058, 1135..1291, 1374..1474, 1572..1708, 1933..2230, 3291..3455		
GI Descrip.	(AL132958) nodulin / glutamate-ammonia ligase-like protein [Arabidopsis thaliana]		

Seq. No.	14025	Seq. ID	OJ990901_09.0211.C10
Gene No.	29945	Strand	-
Start	1	End	3467
Name	OJ990901_09.0211.C10.o1.gp	Method	AAT/GAP
Start	73	End	234
GI	28269_1.R1084	Score	300
Exons	73..234		

GI Descrip.	'4887563/emb|CAB43503.1| 2.0e-35 (AJ133118) nodulin 6 [Medicago truncatula]'		
Seq. No.	14025	Seq. ID	OJ990901_09.0211.C10
Gene No.	29945	Strand	-
Start	1	End	3467
Name	OJ990901_09.0211.C10.o1.gs	Method	GENSCAN
Start	75	End	3467
GI	none	Score	.57
Exons	75..292, 435..483, 963..1058, 1135..1291, 1374..1479, 1577..1690, 1975..2300, 2670..2794, 3147..3467		
Seq. No.	14025	Seq. ID	OJ990901_09.0211.C10
Gene No.	29945	Strand	-
Start	1	End	3467
Name	OJ990901_09.0211.C10.o2.gp	Method	AAT/GAP
Start	1606	End	2248
GI	572449	Score	715
Exons	1606..1691, 1784..1852, 1979..2248		
GI Descrip.	4887563/emb|CAB43503.1| 2.0e-35 (AJ133118) nodulin 6 [Medicago truncatula]		
Seq. No.	14025	Seq. ID	OJ990901_09.0211.C10
Gene No.	29946	Strand	-
Start	6233	End	6389
Name	OJ990901_09.0211.C10.o2.gs	Method	GENSCAN
Start	6233	End	6389
GI	none	Score	.76
Exons	6233..6389		
Seq. No.	14025	Seq. ID	OJ990901_09.0211.C10
Gene No.	29947	Strand	-
Start	6932	End	7051
Name	OJ990901_09.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	1430	End	2162
GI	none	Score	44
Exons	1430..1474, 1437..1472, 1581..1712, 1582..1746, 1784..1837, 1979..2161, 1989..2162		
Seq. No.	14025	Seq. ID	OJ990901_09.0211.C10
Gene No.	29947	Strand	-
Start	6932	End	7051
Name	OJ990901_09.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	1979	End	2243
GI	none	Score	99
Exons	1979..2233, 1989..2243		
Seq. No.	14025	Seq. ID	OJ990901_09.0211.C10
Gene No.	29947	Strand	-
Start	6932	End	7051
Name	OJ990901_09.0211.C10.o3.gp	Method	AAT/GAP
Start	6932	End	7051
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	6932..6953, 6976..7051		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	14026	Seq. ID	OJ990901_09.0211.C11
Gene No.	29948	Strand	+
Start	904	End	1181
Name	OJ990901_09.0211.C11.o1.gp	Method	AAT/GAP
Start	904	End	1181
GI	31877_1.R1084	Score	202
Exons	904..969, 1104..1181		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	14026	Seq. ID	OJ990901_09.0211.C11
Gene No.	29949	Strand	-
Start	873	End	3906
Name	OJ990901_09.0211.C11.o1.gs	Method	GENSCAN
Start	873	End	3906
GI	none	Score	.51
Exons	873..923, 1040..1174, 1546..1758, 1764..1903, 2736..2871, 3819..3906		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29950	Strand	+
Start	1145	End	1665
Name	OJ990901_09.0211.C12.o1.gp	Method	AAT/GAP
Start	1145	End	1665
GI	54822_1.R1084	Score	928
Exons	1145..1665		
GI Descrip.	'4689474/gb|AAD27910.1|AC007213_8 6.0e-32 (AC007213) unknown protein [Arabidopsis thaliana]'		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29951	Strand	+
Start	2519	End	2965
Name	OJ990901_09.0211.C12.o3.gp	Method	AAT/GAP
Start	2519	End	2965
GI	uC-osrocyp025g03a1	Score	870
Exons	2519..2965		
GI Descrip.	'4586246/emb|CAB40987.1| 2.0e-24 (AL049640) putative protein [Arabidopsis thaliana]'		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29952	Strand	+
Start	5590	End	13181
Name	OJ990901_09.0211.C12.o2.np	Method	AAT/NAP
Start	5590	End	12859
GI	3150410	Score	702
Exons	5590..5775, 5883..5977, 6857..7021, 8883..8993, 9082..9182, 10655..10792, 11129..11177, 11295..11364, 12111..12241, 12749..12859		
GI Descrip.	(AC004165) putative unknown protein, leucine-rich repeat [Arabidopsis thaliana]		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29952	Strand	+
Start	5590	End	13181
Name	OJ990901_09.0211.C12.o4.gp	Method	AAT/GAP
Start	11297	End	13181

GI	7249_1.R1084	Score	1122
Exons	11297..11360, 12122..12241, 12749..13181		
GI Descrip.	'3150410 3.0e-24 (AC004165) unknown protein [Arabidopsis thaliana]'		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29953	Strand	-
Start	1403	End	3322
Name	OJ990901_09.0211.C12.o1.gs	Method	GENSCAN
Start	1403	End	3322
GI	none	Score	1
Exons	1403..3322		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29953	Strand	-
Start	1403	End	3322
Name	OJ990901_09.0211.C12.o1.np	Method	AAT/NAP
Start	1403	End	3299
GI	4586246	Score	1638
Exons	1403..2395, 2477..2860, 2978..3299		
GI Descrip.	(AL049640) putative protein [Arabidopsis thaliana]		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29953	Strand	-
Start	1403	End	3322
Name	OJ990901_09.0211.C12.o2.gp	Method	AAT/GAP
Start	2053	End	2517
GI	54821_1.R1084	Score	918
Exons	2053..2517		
GI Descrip.	'4586246/emb|CAB40987.1| 6.0e-47 (AL049640) putative protein [Arabidopsis thaliana]'		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29954	Strand	-
Start	3792	End	4964
Name	OJ990901_09.0211.C12.o2.gs	Method	GENSCAN
Start	3792	End	4964
GI	none	Score	.67
Exons	3792..3888, 4234..4706, 4953..4964		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o7.tm	Method	TBLASTX:Maize
Start	1387	End	1525
GI	none	Score	126
Exons	1387..1518, 1393..1518, 1398..1523, 1400..1525, 1400..1525		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o2.tc	Method	TBLASTX:Cress
Start	1418	End	1753
GI	none	Score	192
Exons	1418..1747, 1422..1748, 1427..1753		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12

Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o3.ts	Method	TBLASTX:Soybean
Start	1418	End	1677
GI	none	Score	192
Exons	1418..1675, 1422..1676, 1516..1677		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o1.tm	Method	TBLASTX:Maize
Start	1526	End	2771
GI	none	Score	969
Exons	1526..2398, 1526..2395, 1545..2396, 1546..2439, 2420..2482, 2438..2485, 2445..2486, 2534..2644, 2535..2585, 2561..2593, 2642..2770, 2658..2771		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o1.ts	Method	TBLASTX:Soybean
Start	1718	End	2278
GI	none	Score	330
Exons	1718..2176, 1719..2123, 1745..2149, 2119..2151, 2150..2278, 2153..2278		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o3.tc	Method	TBLASTX:Cress
Start	2198	End	2386
GI	none	Score	127
Exons	2198..2386, 2198..2386		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o5.tm	Method	TBLASTX:Maize
Start	2909	End	3322
GI	none	Score	194
Exons	2909..2965, 3035..3247, 3036..3236, 3281..3322		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o4.tc	Method	TBLASTX:Cress
Start	5591	End	7006
GI	none	Score	145
Exons	5591..5776, 5637..5777, 5879..5977, 5888..5980, 6935..7006		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o3.tm	Method	TBLASTX:Maize
Start	5636	End	11354
GI	none	Score	217
Exons	5636..5779, 5637..5777, 5658..5786, 5869..5979, 5873..5977,		

5905..5979, 6851..7024, 6851..7024, 6856..7026, 6889..7026,
8870..8989, 8878..8991, 8880..8996, 8882..8980, 8886..9011,
9079..9180, 9082..9183, 9083..9187, 10653..10793, 10653..10790,
10655..10792, 10657..10794, 10674..10793, 11126..11179,
11127..11180, 11294..11347, 11295..11354

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o6.tm	Method	TBLASTX:Maize
Start	12125	End	12874
GI	none	Score	163
Exons	12125..12238, 12138..12242, 12139..12243, 12743..12874, 12744..12851, 12745..12864		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o3.np	Method	AAT/NAP
Start	14288	End	15079
GI	4753652	Score	675
Exons	14288..15079		
GI Descrip.	(AL049751) short-chain alcohol dehydrogenase like protein [Arabidopsis thaliana]		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o2.tm	Method	TBLASTX:Maize
Start	14297	End	14764
GI	none	Score	75
Exons	14297..14455, 14298..14438, 14427..14741, 14432..14764		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o1.tc	Method	TBLASTX:Cress
Start	14412	End	14998
GI	none	Score	213
Exons	14412..14852, 14420..14887, 14897..14998		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o2.ts	Method	TBLASTX:Soybean
Start	14438	End	15100
GI	none	Score	220
Exons	14438..14491, 14471..15100, 14526..14852		

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o5.gp	Method	AAT/GAP
Start	14695	End	15116
GI	uC-osrocyp032d12b1	Score	780
Exons	14695..15116		
GI Descrip.	'4753652/emb|CAB41928.1| 1.0e-24 (AL049751) short-chain alcohol		

dehydrogenase like protein [Arabidopsis thaliana]'

Seq. No.	14027	Seq. ID	OJ990901_09.0211.C12
Gene No.	29955	Strand	-
Start	14288	End	15116
Name	OJ990901_09.0211.C12.o4.tm	Method	TBLASTX:Maize
Start	14774	End	15043
GI	none	Score	83
Exons	14774..14872, 14775..14852, 14819..14866, 14876..15043, 14979..15038		

Seq. No.	14028	Seq. ID	OJ990901_09.0211.C13
Gene No.	29956	Strand	+
Start	4236	End	6044
Name	OJ990901_09.0211.C13.o1.np	Method	AAT/NAP
Start	4236	End	6044
GI	6907086	Score	1181
Exons	4236..5000, 5061..5304, 5519..5840, 5958..6044		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14028	Seq. ID	OJ990901_09.0211.C13
Gene No.	29957	Strand	-
Start	2329	End	2801
Name	OJ990901_09.0211.C13.o1.gp	Method	AAT/GAP
Start	2329	End	2801
GI	38782_1.R1084	Score	795
Exons	2329..2801		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	14028	Seq. ID	OJ990901_09.0211.C13
Gene No.	29958	Strand	-
Start	7803	End	8937
Name	OJ990901_09.0211.C13.o2.gs	Method	GENSCAN
Start	7803	End	8630
GI	none	Score	.48
Exons	7803..7915, 8483..8630		

Seq. No.	14028	Seq. ID	OJ990901_09.0211.C13
Gene No.	29958	Strand	-
Start	7803	End	8937
Name	OJ990901_09.0211.C13.o2.np	Method	AAT/NAP
Start	8353	End	8937
GI	4755087	Score	614
Exons	8353..8937		
GI Descrip.	(AF031083) aluminum-induced protein; Al-induced protein [Zea mays]		

Seq. No.	14029	Seq. ID	OJ990527_40.9819.C1
Gene No.	29959	Strand	-
Start	1	End	997
Name	OJ990527_40.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	997
GI	5091513	Score	1069
Exons	1..997		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	14029	Seq. ID	OJ990527_40.9819.C1
Gene No.	29959	Strand	-
Start	1	End	997
Name	OJ990527_40.9819.C1.o1.gs	Method	GENSCAN
Start	50	End	798
GI	none	Score	.84
Exons	50..486, 551..664, 729..798		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29960	Strand	+
Start	274	End	2032
Name	OJ990527_40.9819.C2.o1.gs	Method	GENSCAN
Start	274	End	1801
GI	none	Score	.9
Exons	274..814, 1008..1043, 1115..1206, 1646..1801		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29960	Strand	+
Start	274	End	2032
Name	OJ990527_40.9819.C2.o1.gp	Method	AAT/GAP
Start	522	End	926
GI	none	Score	786
Exons	522..926		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29960	Strand	+
Start	274	End	2032
Name	OJ990527_40.9819.C2.o2.gp	Method	AAT/GAP
Start	1129	End	2032
GI	3767784	Score	838
Exons	1129..1206, 1646..2032		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29961	Strand	+
Start	4170	End	11106
Name	OJ990527_40.9819.C2.o3.gs	Method	GENSCAN
Start	4170	End	9231
GI	none	Score	.64
Exons	4170..4280, 4402..4471, 4981..5086, 5169..5280, 5776..5833, 6230..6360, 6398..6510, 6684..6738, 7033..7667, 8394..8511, 8820..9128, 9166..9231		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29961	Strand	+
Start	4170	End	11106
Name	OJ990527_40.9819.C2.o1.np	Method	AAT/NAP
Start	5795	End	7923
GI	6679793	Score	103
Exons	5795..5895, 6001..6078, 6130..6184, 6284..6366, 6464..6532, 7895..7923		
GI Descrip.	fibroblast growth factor inducible 13 gi|6093638|sp|Q61074|P2CG_MOUSE PROTEIN PHOSPHATASE 2C GAMMA ISOFORM (PP2C-GAMMA) (PROTEIN PHOSPHATASE 1C) (FIBROBLAST GROWTH FACTOR INDUCIBLE PROTEIN 13) (FIN13) gi|3320114 (U42383) fibroblast growth factor inducible gene 13 [Mus musculus]		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2

Gene No.	29961	Strand	+
Start	4170	End	11106
Name	OJ990527_40.9819.C2.o3.gp	Method	AAT/GAP
Start	8795	End	9128
GI	82047_1.R1084	Score	449
Exons	8795..9128		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29961	Strand	+
Start	4170	End	11106
Name	OJ990527_40.9819.C2.o2.np	Method	AAT/NAP
Start	8871	End	11106
GI	4678261	Score	163
Exons	8871..9146, 11074..11106		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29962	Strand	+
Start	14478	End	21867
Name	OJ990527_40.9819.C2.o5.gs	Method	GENSCAN
Start	14478	End	21867
GI	none	Score	.78
Exons	14478..14612, 15276..15382, 17824..17950, 18074..18143, 18643..18748, 18831..18948, 19439..19558, 19661..19841, 19936..20012, 20099..20151, 20318..20369, 20665..21867		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29962	Strand	+
Start	14478	End	21867
Name	OJ990527_40.9819.C2.o4.np	Method	AAT/NAP
Start	16666	End	21662
GI	4505999	Score	117
Exons	16666..16686, 19460..19553, 19659..19736, 19784..19841, 19936..20018, 20105..20176, 21544..21662		
GI Descrip.	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform gi|3122589|sp|O15355|P2CG_HUMAN PROTEIN PHOSPHATASE 2C GAMMA ISOFORM (PP2C-GAMMA) (PROTEIN PHOSPHATASE 1C) gi|2315202|emb|CAA74245| (Y13936) protein phosphatase 2C gamma [Homo sapiens]		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29963	Strand	+
Start	24557	End	29824
Name	OJ990527_40.9819.C2.o7.gs	Method	GENSCAN
Start	24557	End	29824
GI	none	Score	.81
Exons	24557..24577, 25615..25674, 25679..25781, 25902..25935, 27663..27782, 28163..28228, 29465..29662, 29755..29824		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29964	Strand	-
Start	2361	End	3515
Name	OJ990527_40.9819.C2.o2.gs	Method	GENSCAN
Start	2361	End	3515

GI	none	Score	.5
Exons	2361..2782, 3020..3193, 3497..3515		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29965	Strand	-
Start	9877	End	12052
Name	OJ990527_40.9819.C2.o3.np	Method	AAT/NAP
Start	9877	End	12052
GI	4538896	Score	1611
Exons	9877..10914, 10975..11483, 11593..11964, 12001..12052		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29966	Strand	-
Start	22727	End	23872
Name	OJ990527_40.9819.C2.o6.gs	Method	GENSCAN
Start	22727	End	23872
GI	none	Score	.58
Exons	22727..23872		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29967	Strand	-
Start	27361	End	28469
Name	OJ990527_40.9819.C2.o6.np	Method	AAT/NAP
Start	27361	End	28469
GI	6815053	Score	745
Exons	27361..27597, 27647..27822, 28323..28469		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29968	Strand	-
Start	29005	End	29608
Name	OJ990527_40.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	391	End	680
GI	none	Score	409
Exons	391..678, 402..680		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29968	Strand	-
Start	29005	End	29608
Name	OJ990527_40.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	538	End	13611
GI	none	Score	138
Exons	538..672, 546..671, 691..915, 693..914, 724..915, 1006..1137, 1006..1098, 13265..13402, 13266..13403, 13510..13611, 13513..13605		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29968	Strand	-
Start	29005	End	29608
Name	OJ990527_40.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	8829	End	9141
GI	none	Score	208
Exons	8829..9053, 8960..9049, 9073..9141, 9073..9138		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29968	Strand	-

Start	29005	End	29608
Name	OJ990527_40.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	9778	End	10207
GI	none	Score	89
Exons	9778..9903, 9808..10119, 9973..10206, 10109..10207		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29968	Strand	-
Start	29005	End	29608
Name	OJ990527_40.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	10687	End	11079
GI	none	Score	37
Exons	10687..10755, 10691..10759, 10819..11079, 10841..11053		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29968	Strand	-
Start	29005	End	29608
Name	OJ990527_40.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	11080	End	11301
GI	none	Score	144
Exons	11080..11301, 11111..11290		

Seq. No.	14030	Seq. ID	OJ990527_40.9819.C2
Gene No.	29968	Strand	-
Start	29005	End	29608
Name	OJ990527_40.9819.C2.o7.np	Method	AAT/NAP
Start	29005	End	29608
GI	6721559	Score	385
Exons	29005..29136, 29169..29608		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	14031	Seq. ID	OJ990527_40.9819.C3
Gene No.	29969	Strand	+
Start	3362	End	3970
Name	OJ990527_40.9819.C3.o2.gs	Method	GENSCAN
Start	3362	End	3970
GI	none	Score	.87
Exons	3362..3970		

Seq. No.	14031	Seq. ID	OJ990527_40.9819.C3
Gene No.	29970	Strand	+
Start	8247	End	15253
Name	OJ990527_40.9819.C3.o4.gs	Method	GENSCAN
Start	8247	End	15005
GI	none	Score	.43
Exons	8247..8384, 8560..9366, 10516..10927, 11237..11777, 11809..11959, 12151..12333, 12661..12730, 13360..13615, 13976..15005		

Seq. No.	14031	Seq. ID	OJ990527_40.9819.C3
Gene No.	29970	Strand	+
Start	8247	End	15253
Name	OJ990527_40.9819.C3.o2.np	Method	AAT/NAP
Start	11163	End	15253
GI	5922636	Score	465

Exons	11163..11241, 11725..11959, 12253..12391, 15193..15253
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	14031	Seq. ID	OJ990527_40.9819.C3
Gene No.	29971	Strand	-
Start	889	End	15253
Name	OJ990527_40.9819.C3.o1.np	Method	AAT/NAP
Start	889	End	15253
GI	4680183	Score	191
Exons	889..978, 1586..1708, 15138..15253		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	14031	Seq. ID	OJ990527_40.9819.C3
Gene No.	29971	Strand	-
Start	889	End	15253
Name	OJ990527_40.9819.C3.o1.gp	Method	AAT/GAP
Start	4415	End	7298
GI	none	Score	1219
Exons	4415..4641, 4882..5036, 5126..5196, 5573..5623, 6440..6633, 7267..7298		

Seq. No.	14031	Seq. ID	OJ990527_40.9819.C3
Gene No.	29971	Strand	-
Start	889	End	15253
Name	OJ990527_40.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	4948	End	6634
GI	none	Score	67
Exons	4948..5037, 4950..5039, 4959..5039, 5151..5198, 5565..5621, 6438..6632, 6439..6633, 6443..6634		

Seq. No.	14031	Seq. ID	OJ990527_40.9819.C3
Gene No.	29971	Strand	-
Start	889	End	15253
Name	OJ990527_40.9819.C3.o3.gs	Method	GENSCAN
Start	4959	End	6068
GI	none	Score	.78
Exons	4959..5041, 5573..5623, 6044..6068		

Seq. No.	14031	Seq. ID	OJ990527_40.9819.C3
Gene No.	29971	Strand	-
Start	889	End	15253
Name	OJ990527_40.9819.C3.o3.np	Method	AAT/NAP
Start	9965	End	15253
GI	6069654	Score	135
Exons	9965..10120, 10656..10935, 11622..11708, 12036..12202, 12705..13096, 13288..13500, 14131..14179, 15169..15253		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	14032	Seq. ID	OJ990527_40.9819.C4
Gene No.	29972	Strand	+
Start	1	End	4108
Name	OJ990527_40.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	4108

GI	5777623	Score	1240
Exons	1..34, 218..397, 648..785, 965..1473, 2280..2522, 4011..4108		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		
Seq. No.	14032	Seq. ID	OJ990527_40.9819.C4
Gene No.	29972	Strand	+
Start	1	End	4108
Name	OJ990527_40.9819.C4.o1.gp	Method	AAT/GAP
Start	3153	End	3649
GI	38782_1.R1084	Score	806
Exons	3153..3649		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	14032	Seq. ID	OJ990527_40.9819.C4
Gene No.	29973	Strand	+
Start	4588	End	6026
Name	OJ990527_40.9819.C4.o2.gp	Method	AAT/GAP
Start	4588	End	6026
GI	LIB3477-002-P1-K1-D5	Score	848
Exons	4588..4719, 5362..5452, 5553..5603, 5748..5913, 5997..6026		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	14032	Seq. ID	OJ990527_40.9819.C4
Gene No.	29974	Strand	-
Start	886	End	3415
Name	OJ990527_40.9819.C4.o2.np	Method	AAT/NAP
Start	886	End	3415
GI	4680186	Score	195
Exons	886..920, 2669..2847, 3352..3415		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	14032	Seq. ID	OJ990527_40.9819.C4
Gene No.	29975	Strand	
Start	5590	End	6120
Name	OJ990527_40.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	5590	End	6120
GI	none	Score	36
Exons	5590..5613, 5684..5914, 5725..5913, 5995..6120, 6004..6120		
Seq. No.	14033	Seq. ID	OJ990527_40.9819.C6
Gene No.	29976	Strand	+
Start	423	End	8912
Name	OJ990527_40.9819.C6.o1.gs	Method	GENSCAN
Start	423	End	8912
GI	none	Score	.44
Exons	423..567, 599..667, 1025..1284, 1393..1516, 3132..3259, 3381..3447, 3966..4071, 4164..4272, 4764..4883, 4986..5019, 5270..5346, 5439..5491, 5646..5697, 6069..6500, 8091..8162, 8736..8912		
Seq. No.	14033	Seq. ID	OJ990527_40.9819.C6
Gene No.	29976	Strand	+
Start	423	End	8912
Name	OJ990527_40.9819.C6.o1.np	Method	AAT/NAP
Start	3143	End	6242

GI	4584525	Score	277
Exons	3143..3259, 3381..3447, 3966..4071, 4164..4223, 4670..4888, 4991..5073, 5131..5163, 5270..5346, 5439..5491, 5646..5719, 6062..6242		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	14033	Seq. ID	OJ990527_40.9819.C6
Gene No.	29976	Strand	+
Start	423	End	8912
Name	OJ990527_40.9819.C6.o1.gp	Method	AAT/GAP
Start	6290	End	6736
GI	3761484	Score	793
Exons	6290..6736		

Seq. No.	14033	Seq. ID	OJ990527_40.9819.C6
Gene No.	29977	Strand	-
Start	9987	End	10875
Name	OJ990527_40.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	8258	End	8554
GI	none	Score	70
Exons	8258..8554, 8406..8549		

Seq. No.	14033	Seq. ID	OJ990527_40.9819.C6
Gene No.	29977	Strand	-
Start	9987	End	10875
Name	OJ990527_40.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	8635	End	8951
GI	none	Score	82
Exons	8635..8682, 8697..8951, 8698..8877		

Seq. No.	14033	Seq. ID	OJ990527_40.9819.C6
Gene No.	29977	Strand	-
Start	9987	End	10875
Name	OJ990527_40.9819.C6.o2.np	Method	AAT/NAP
Start	9987	End	10875
GI	5669654	Score	82
Exons	9987..10138, 10803..10875		
GI Descrip.	(AF096262) ER6 protein [Lycopersicon esculentum]		

Seq. No.	14033	Seq. ID	OJ990527_40.9819.C6
Gene No.	29977	Strand	-
Start	9987	End	10875
Name	OJ990527_40.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	10005	End	10121
GI	none	Score	104
Exons	10005..10115, 10011..10121		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29978	Strand	+
Start	1	End	13821
Name	OJ990527_40.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	3369
GI	6006864	Score	52
Exons	1..116, 1297..1389, 3317..3369		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29978	Strand	+
Start	1	End	13821
Name	OJ990527_40.9819.C7.o2.gs	Method	GENSCAN
Start	2598	End	13821
GI	none	Score	.82
Exons	2598..2881, 3276..4678, 5150..5591, 5655..5773, 8019..8127, 8344..8675, 9129..9275, 9769..9894, 10351..10478, 10600..10666, 11175..11280, 11373..11490, 11991..12110, 12213..12246, 12498..12574, 12667..12719, 12874..12925, 13297..13821		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29978	Strand	+
Start	1	End	13821
Name	OJ990527_40.9819.C7.o3.np	Method	AAT/NAP
Start	10362	End	13479
GI	4584525	Score	272
Exons	10362..10478, 10600..10666, 11175..11280, 11373..11508, 11971..12115, 12218..12300, 12355..12390, 12498..12574, 12667..12719, 12874..12947, 13290..13479		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29979	Strand	+
Start	14537	End	19399
Name	OJ990527_40.9819.C7.o4.np	Method	AAT/NAP
Start	14537	End	16250
GI	499014	Score	103
Exons	14537..14684, 16214..16250		
GI Descrip.	(X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi|1395188|dbj|BAA10942| (D64067) ABC-type heme transporter subunit [Oryza sativa]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29979	Strand	+
Start	14537	End	19399
Name	OJ990527_40.9819.C7.o2.gp	Method	AAT/GAP
Start	15022	End	17861
GI	82047_1.R1084	Score	708
Exons	15022..15346, 17775..17861		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29979	Strand	+
Start	14537	End	19399
Name	OJ990527_40.9819.C7.o3.gs	Method	GENSCAN
Start	15090	End	19135
GI	none	Score	.99
Exons	15090..15346, 17775..17865, 17950..18095, 18189..18408, 18474..18582, 18678..18846, 18961..19135		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29979	Strand	+
Start	14537	End	19399
Name	OJ990527_40.9819.C7.o5.np	Method	AAT/NAP

Start	15093	End	19132
GI	4678261	Score	1425
Exons	15093..15346, 17775..17865, 17950..18095, 18189..18408, 18474..18588, 18625..18846, 18961..19132		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29979	Strand	+
Start	14537	End	19399
Name	OJ990527_40.9819.C7.o3.gp	Method	AAT/GAP
Start	18441	End	19399
GI	78815_1.R1084	Score	1248
Exons	18441..18582, 18678..18846, 18961..19399		
GI Descrip.	'2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]'		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29980	Strand	+
Start	26725	End	26880
Name	OJ990527_40.9819.C7.o5.gs	Method	GENSCAN
Start	26725	End	26880
GI	none	Score	.51
Exons	26725..26880		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29981	Strand	+
Start	30513	End	38836
Name	OJ990527_40.9819.C7.o7.gs	Method	GENSCAN
Start	30513	End	38836
GI	none	Score	.7
Exons	30513..30810, 32305..32354, 32908..33032, 33137..33143, 33646..33864, 34113..34198, 34355..34403, 34473..34578, 35127..35284, 35605..35663, 36053..36089, 36406..36477, 36607..36732, 38217..38332, 38527..38572, 38660..38836		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29981	Strand	+
Start	30513	End	38836
Name	OJ990527_40.9819.C7.o9.np	Method	AAT/NAP
Start	33697	End	38824
GI	3021508	Score	1685
Exons	33697..33864, 34113..34198, 34355..34403, 34473..34659, 35127..35284, 35360..35428, 35605..35663, 36053..36089, 36406..36477, 36607..36754, 37037..37132, 38024..38094, 38217..38332, 38527..38572, 38660..38824		
GI Descrip.	(AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29981	Strand	+
Start	30513	End	38836
Name	OJ990527_40.9819.C7.o7.gp	Method	AAT/GAP
Start	36371	End	38265
GI	LIB3434-013-P1-K1-C10	Score	777
Exons	36371..36477, 36607..36754, 37037..37132, 38024..38094, 38217..38265		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29982	Strand	+
Start	41613	End	43293
Name	OJ990527_40.9819.C7.o8.gs	Method	GENSCAN
Start	41613	End	43293
GI	none	Score	.42
Exons	41613..41673, 41894..41999, 43206..43293		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29983	Strand	-
Start	382	End	2246
Name	OJ990527_40.9819.C7.o1.gs	Method	GENSCAN
Start	382	End	2246
GI	none	Score	.79
Exons	382..968, 1170..1279, 1633..1745, 2035..2246		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29983	Strand	-
Start	382	End	2246
Name	OJ990527_40.9819.C7.o2.np	Method	AAT/NAP
Start	1887	End	1988
GI	5777617	Score	82
Exons	1887..1988		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29984	Strand	-
Start	19587	End	30411
Name	OJ990527_40.9819.C7.o4.gp	Method	AAT/GAP
Start	19587	End	20272
GI	37294_1.R1084	Score	1027
Exons	19587..19915, 20059..20272		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29984	Strand	-
Start	19587	End	30411
Name	OJ990527_40.9819.C7.o6.np	Method	AAT/NAP
Start	20129	End	27389
GI	6728875	Score	433
Exons	20129..20272, 20624..20671, 20769..20855, 20968..21105, 21222..21362, 27205..27389		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29984	Strand	-
Start	19587	End	30411
Name	OJ990527_40.9819.C7.o7.np	Method	AAT/NAP
Start	20884	End	28671
GI	2130121	Score	120
Exons	20884..20981, 22894..23553, 28567..28671		
GI Descrip.	cyclin II - maize gi|516550 (U10077) cyclin IIZm [Zea mays]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7

Gene No.	29984	Strand	-
Start	19587	End	30411
Name	OJ990527_40.9819.C7.o5.gp	Method	AAT/GAP
Start	24838	End	25089
GI	3761181	Score	432
Exons	24838..25089		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29984	Strand	-
Start	19587	End	30411
Name	OJ990527_40.9819.C7.o8.np	Method	AAT/NAP
Start	26593	End	30365
GI	5091513	Score	2022
Exons	26593..26718, 27458..27715, 27837..28666, 29319..30365		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29984	Strand	-
Start	19587	End	30411
Name	OJ990527_40.9819.C7.o6.gs	Method	GENSCAN
Start	27212	End	30411
GI	none	Score	.56
Exons	27212..27673, 27690..28638, 29444..30411		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29985	Strand	-
Start	30780	End	31031
Name	OJ990527_40.9819.C7.o6.gp	Method	AAT/GAP
Start	30780	End	31031
GI	3761181	Score	430
Exons	30780..31031		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	5287	End	19143
GI	none	Score	58
Exons	5287..5367, 5369..5419, 5550..5591, 6327..6431, 6334..6426, 15036..15371, 15128..15253, 15228..15356, 17773..17865, 17776..17871, 17777..17866, 17778..17897, 17947..18093, 17949..18095, 18002..18097, 18187..18414, 18189..18410, 18446..18568, 18471..18581, 18471..18581, 18473..18583, 18677..18847, 18678..18854, 18679..18864, 18679..18864, 18959..19135, 18961..19143, 18961..19131, 18962..19138		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	6327	End	19156
GI	none	Score	109
Exons	6327..6431, 6334..6426, 15102..15371, 17773..17865,		

17776..17865, 17778..17900, 17940..18095, 17947..18093,
18002..18103, 18102..18410, 18185..18340, 18187..18414,
18190..18411, 18471..18581, 18473..18580, 18667..18840,
18676..18843, 18677..18844, 18677..18850, 18961..19119,
18961..19131, 18962..19156, 18974..19138

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o5.tc	Method	TBLASTX:Cress
Start	6327	End	18105
GI	none	Score	110
Exons	6327..6455, 6334..6426, 15099..15371, 17773..17865, 17776..17874, 17778..17897, 17940..18095, 17947..18096, 17971..18105		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o5.ts	Method	TBLASTX:Soybean
Start	6522	End	7137
GI	none	Score	46
Exons	6522..6623, 6714..6779, 6725..6778, 6785..6829, 6826..6918, 6834..6917, 6986..7048, 7048..7137		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	18042	End	18333
GI	none	Score	66
Exons	18042..18089, 18046..18093, 18047..18103, 18185..18331, 18186..18332, 18190..18333		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	18180	End	19135
GI	none	Score	51
Exons	18180..18221, 18190..18216, 18225..18410, 18225..18410, 18226..18414, 18471..18581, 18473..18580, 18525..18584, 18676..18846, 18677..18847, 18677..18856, 18959..19135, 18961..19134		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	20621	End	21344
GI	none	Score	66
Exons	20621..20671, 20715..20855, 20769..20858, 20966..21106, 20968..21123, 21219..21344, 21220..21288		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153

Name	OJ990527_40.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	20621	End	21326
GI	none	Score	160
Exons	20621..20671, 20769..20858, 20966..21124, 20968..21123, 21219..21326, 21220..21288		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	20778	End	21329
GI	none	Score	87
Exons	20778..20876, 20778..20858, 20780..20863, 20966..21106, 20968..21105, 21049..21108, 21219..21293, 21219..21302, 21220..21300, 21279..21329		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	33658	End	34604
GI	none	Score	208
Exons	33658..33864, 33661..33864, 33663..33866, 33671..33886, 34111..34197, 34112..34207, 34113..34199, 34349..34405, 34350..34412, 34458..34604, 34460..34603		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o3.ts	Method	TBLASTX:Soybean
Start	33771	End	36661
GI	none	Score	137
Exons	33771..33863, 33772..33864, 34081..34179, 34100..34198, 34113..34199, 34458..34655, 34460..34654, 35131..35265, 35137..35283, 35138..35287, 35138..35284, 35359..35427, 35360..35434, 35360..35431, 35367..35438, 35599..35670, 36400..36480, 36400..36483, 36401..36484, 36402..36485, 36599..36661, 36604..36660		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	34154	End	34661
GI	none	Score	82
Exons	34154..34207, 34349..34402, 34350..34412, 34457..34555, 34458..34562, 34508..34657, 34552..34659, 34557..34658, 34569..34661		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	34606	End	38841
GI	none	Score	92
Exons	34606..34659, 34608..34667, 35124..35279, 35126..35287, 35141..35284, 35233..35286, 35359..35427, 35360..35434,		

35360..35434, 35530..35556, 35584..35670, 35585..35677,
35599..35670, 36012..36089, 36053..36091, 36396..36479,
36396..36488, 36400..36489, 36400..36495, 36524..36754,
36577..36750, 36604..36774, 36605..36751, 36606..36794,
36606..36755, 37036..37140, 37039..37128, 37040..37132,
38012..38092, 38019..38096, 38021..38107, 38026..38097,
38211..38333, 38215..38334, 38215..38328, 38216..38347,
38518..38568, 38522..38572, 38597..38839, 38641..38841,
38642..38830

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o3.tc	Method	TBLASTX:Cress
Start	35114	End	35442
GI	none	Score	231
Exons	35114..35290, 35138..35287, 35336..35431, 35359..35442		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	35156	End	36666
GI	none	Score	199
Exons	35156..35287, 35156..35284, 35359..35427, 35360..35434, 35360..35434, 35561..35662, 35599..35670, 36012..36089, 36053..36091, 36054..36092, 36396..36488, 36400..36489, 36604..36666, 36606..36665		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o4.tc	Method	TBLASTX:Cress
Start	35599	End	38094
GI	none	Score	117
Exons	35599..35670, 36400..36489, 36405..36482, 36599..36703, 36604..36774, 36606..36755, 36737..36757, 37036..37134, 38026..38094		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o4.ts	Method	TBLASTX:Soybean
Start	36663	End	38824
GI	none	Score	154
Exons	36663..36755, 36664..36774, 36664..36756, 37032..37136, 37035..37127, 37036..37140, 37036..37143, 38019..38096, 38020..38097, 38211..38333, 38216..38332, 38518..38571, 38522..38572, 38642..38824, 38659..38823		

Seq. No.	14034	Seq. ID	OJ990527_40.9819.C7
Gene No.	29986	Strand	-
Start	40068	End	40153
Name	OJ990527_40.9819.C7.o8.gp	Method	AAT/GAP
Start	40068	End	40153
GI	3760640	Score	81
Exons	40068..40153		

GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	14035	Seq. ID	OJ990527_40.9819.C8
Gene No.	29987	Strand	+
Start	1832	End	2119
Name	OJ990527_40.9819.C8.o1.gs	Method	GENSCAN
Start	1832	End	2119
GI	none	Score	.84
Exons	1832..2119		
Seq. No.	14035	Seq. ID	OJ990527_40.9819.C8
Gene No.	29988	Strand	-
Start	2448	End	6544
Name	OJ990527_40.9819.C8.o2.gs	Method	GENSCAN
Start	2448	End	6544
GI	none	Score	.62
Exons	2448..2461, 2629..2739, 2818..3065, 4312..4436, 4545..4685, 4772..4910, 6354..6544		
Seq. No.	14035	Seq. ID	OJ990527_40.9819.C8
Gene No.	29988	Strand	-
Start	2448	End	6544
Name	OJ990527_40.9819.C8.o1.gp	Method	AAT/GAP
Start	5371	End	5793
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	5371..5444, 5768..5793		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29989	Strand	+
Start	4099	End	10927
Name	OJ990527_40.9819.C10.o1.gs	Method	GENSCAN
Start	4099	End	10927
GI	none	Score	.69
Exons	4099..4431, 4433..4521, 5491..5685, 5855..5925, 7745..7924, 8442..8492, 8780..8937, 8951..9029, 9520..9662, 9807..10117, 10135..10233, 10771..10927		
Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o1.gp	Method	AAT/GAP
Start	11567	End	12192
GI	36743_1.R1084	Score	1208
Exons	11567..12192		
GI Descrip.	'6018193/gb|AAF01786.1|AF114170_1 5.0e-30 (AF114170) nucleotide-binding protein long form [Mus musculus]'		
Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o1.np	Method	AAT/NAP
Start	11631	End	14066
GI	4505337	Score	875

Exons	11631..11874, 11979..12571, 13946..14066
GI Descrip.	nucleotide binding protein 1 (E.coli MinD like) gi|1709232|sp|P53384|NBP_HUMAN NUCLEOTIDE-BINDING PROTEIN (NBP) gi|1082661|pir||JC4010 nucleotide-binding protein - human gi|515644 (U01833) putative nucleotide-binding protein [Homo sapiens]

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o2.gs	Method	GENSCAN
Start	11673	End	18074
GI	none	Score	.64
Exons	11673..12571, 13946..14047, 14093..14325, 15036..15065, 16358..16673, 16955..17150, 17242..17355, 17850..18074		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	11676	End	11838
GI	none	Score	126
Exons	11676..11837, 11679..11837, 11704..11838		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	11684	End	14104
GI	none	Score	939
Exons	11684..12550, 11685..12572, 11685..12572, 11701..12573, 13947..14045, 13948..14046, 13958..14104		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	11769	End	11915
GI	none	Score	168
Exons	11769..11915, 11770..11910		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	11965	End	12282
GI	none	Score	98
Exons	11965..12171, 11967..12278, 11967..12281, 11968..12282		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	12210	End	14046
GI	none	Score	481
Exons	12210..12572, 12211..12573, 13947..14045, 13948..14046		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o2.gp	Method	AAT/GAP
Start	12373	End	14314
GI	62555_1.R1084	Score	825
Exons	12373..12571, 13946..14047, 14177..14314		
GI Descrip.	'4056552/emb|CAA22587| 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]'		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	12384	End	14046
GI	none	Score	213
Exons	12384..12572, 12388..12573, 13869..13913, 13947..14045, 13948..14046		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	12481	End	14207
GI	none	Score	147
Exons	12481..12573, 12481..12570, 12483..12572, 13921..14052, 13947..14054, 13955..14104, 14181..14207		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o2.np	Method	AAT/NAP
Start	15568	End	16993
GI	5852084	Score	80
Exons	15568..15688, 16961..16993		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	14036	Seq. ID	OJ990527_40.9819.C10
Gene No.	29990	Strand	-
Start	11673	End	18074
Name	OJ990527_40.9819.C10.o3.np	Method	AAT/NAP
Start	16155	End	18010
GI	6006359	Score	73
Exons	16155..16207, 17900..18010		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	14037	Seq. ID	OJ990527_40.9819.C12
Gene No.	29991	Strand	-
Start	1	End	943
Name	OJ990527_40.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	943
GI	5091513	Score	680
Exons	1..711, 900..943		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	14037	Seq. ID	OJ990527_40.9819.C12
Gene No.	29991	Strand	-

Start	1	End	943
Name	OJ990527_40.9819.C12.o1.gs	Method	GENSCAN
Start	164	End	703
GI	none	Score	.67
Exons	164..273, 427..703		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29992	Strand	+
Start	6220	End	12857
Name	OJ990517_20.9819.C1.o2.np	Method	AAT/NAP
Start	6220	End	12851
GI	4680214	Score	338
Exons	6220..6256, 6980..7290, 10607..10746, 10930..11021, 11883..12187, 12278..12851		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29992	Strand	+
Start	6220	End	12857
Name	OJ990517_20.9819.C1.o3.gs	Method	GENSCAN
Start	8294	End	12857
GI	none	Score	.58
Exons	8294..8349, 8383..8593, 9842..9917, 10718..10918, 10923..11141, 11764..11873, 12471..12857		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29993	Strand	+
Start	15080	End	16309
Name	OJ990517_20.9819.C1.o5.gs	Method	GENSCAN
Start	15080	End	16309
GI	none	Score	.75
Exons	15080..16309		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29994	Strand	-
Start	1028	End	2009
Name	OJ990517_20.9819.C1.o1.gs	Method	GENSCAN
Start	1028	End	2009
GI	none	Score	.76
Exons	1028..1198, 1372..2009		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29995	Strand	-
Start	6199	End	7443
Name	OJ990517_20.9819.C1.o2.gs	Method	GENSCAN
Start	6199	End	7443
GI	none	Score	.75
Exons	6199..7443		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29996	Strand	-
Start	13264	End	14179
Name	OJ990517_20.9819.C1.o3.np	Method	AAT/NAP
Start	13040	End	13757
GI	2213632	Score	708
Exons	13040..13757		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29996	Strand	-
Start	13264	End	14179
Name	OJ990517_20.9819.C1.o4.gs	Method	GENSCAN
Start	13264	End	14179
GI	none	Score	.75
Exons	13264..13334, 13547..13720, 13742..13875, 13962..14179		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29997	Strand	-
Start	18751	End	19136
Name	OJ990517_20.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	1632	End	18969
GI	none	Score	147
Exons	1632..1700, 1785..1946, 7066..7143, 7217..7411, 7228..7389, 7418..7447, 15116..15271, 15350..15394, 18757..18927, 18913..18969		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29997	Strand	-
Start	18751	End	19136
Name	OJ990517_20.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	11890	End	12845
GI	none	Score	354
Exons	11890..12189, 11891..12190, 12296..12376, 12684..12845		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29997	Strand	-
Start	18751	End	19136
Name	OJ990517_20.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	13058	End	13512
GI	none	Score	167
Exons	13058..13123, 13127..13174, 13162..13344, 13342..13512, 13350..13511, 13351..13512		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29997	Strand	-
Start	18751	End	19136
Name	OJ990517_20.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	13070	End	13344
GI	none	Score	90
Exons	13070..13243, 13071..13187, 13073..13243, 13129..13296, 13210..13296, 13305..13331, 13306..13344		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29997	Strand	-
Start	18751	End	19136
Name	OJ990517_20.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	13347	End	13634
GI	none	Score	78
Exons	13347..13442, 13348..13632, 13350..13634		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29997	Strand	-
Start	18751	End	19136
Name	OJ990517_20.9819.C1.o3.tm	Method	TBLASTX:Maize

Start	13515	End	13839
GI	none	Score	89
Exons	13515..13634, 13515..13658, 13516..13686, 13621..13779, 13635..13778, 13779..13838, 13779..13832, 13789..13839		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29997	Strand	-
Start	18751	End	19136
Name	OJ990517_20.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	13635	End	14053
GI	none	Score	84
Exons	13635..13877, 13678..13863, 13937..14053		

Seq. No.	14038	Seq. ID	OJ990517_20.9819.C1
Gene No.	29997	Strand	-
Start	18751	End	19136
Name	OJ990517_20.9819.C1.o6.gs	Method	GENSCAN
Start	18751	End	19136
GI	none	Score	.85
Exons	18751..19136		

Seq. No.	14039	Seq. ID	OJ990517_20.9819.C2
Gene No.	29998	Strand	+
Start	223	End	331
Name	OJ990517_20.9819.C2.o1.gs	Method	GENSCAN
Start	223	End	331
GI	none	Score	.8
Exons	223..331		

Seq. No.	14039	Seq. ID	OJ990517_20.9819.C2
Gene No.	29999	Strand	-
Start	840	End	2140
Name	OJ990517_20.9819.C2.o2.gs	Method	GENSCAN
Start	840	End	2140
GI	none	Score	.58
Exons	840..848, 1275..2140		

Seq. No.	14040	Seq. ID	OJ990517_20.9819.C3
Gene No.	30000	Strand	+
Start	1690	End	2218
Name	OJ990517_20.9819.C3.o1.gs	Method	GENSCAN
Start	1690	End	2218
GI	none	Score	.78
Exons	1690..1791, 1857..2059, 2182..2218		

Seq. No.	14040	Seq. ID	OJ990517_20.9819.C3
Gene No.	30001	Strand	+
Start	3202	End	4685
Name	OJ990517_20.9819.C3.o2.gs	Method	GENSCAN
Start	3202	End	4685
GI	none	Score	.64
Exons	3202..3318, 3344..3648, 3692..3840, 4675..4685		

Seq. No.	14040	Seq. ID	OJ990517_20.9819.C3
Gene No.	30002	Strand	+
Start	6802	End	12207
Name	OJ990517_20.9819.C3.o1.np	Method	AAT/NAP

Start	6789	End	9295
GI	6554178	Score	210
Exons	6789..7099, 7748..7812, 8715..8838, 9218..9295		
GI Descrip.	(AC011661) T23J18.4 [Arabidopsis thaliana]		

Seq. No.	14040	Seq. ID	OJ990517_20.9819.C3
Gene No.	30002	Strand	+
Start	6802	End	12207
Name	OJ990517_20.9819.C3.o3.gs	Method	GENSCAN
Start	6802	End	12207
GI	none	Score	.58
Exons	6802..7091, 7748..7811, 9360..9527, 9589..9665, 11493..11668, 12024..12071, 12095..12207		

Seq. No.	14040	Seq. ID	OJ990517_20.9819.C3
Gene No.	30003	Strand	-
Start	13170	End	14671
Name	OJ990517_20.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	6889	End	9415
GI	none	Score	93
Exons	6889..6948, 7018..7074, 7031..7084, 7706..7816, 7725..7811, 7747..7812, 8650..8838, 8671..8838, 9206..9283, 9214..9285, 9216..9284, 9217..9285, 9378..9413, 9378..9413, 9379..9414, 9380..9415		

Seq. No.	14040	Seq. ID	OJ990517_20.9819.C3
Gene No.	30003	Strand	-
Start	13170	End	14671
Name	OJ990517_20.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	7749	End	9509
GI	none	Score	98
Exons	7749..7811, 8671..8838, 9206..9283, 9217..9279, 9378..9509, 9389..9508		

Seq. No.	14040	Seq. ID	OJ990517_20.9819.C3
Gene No.	30003	Strand	-
Start	13170	End	14671
Name	OJ990517_20.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	9416	End	9602
GI	none	Score	256
Exons	9416..9601, 9417..9602		

Seq. No.	14040	Seq. ID	OJ990517_20.9819.C3
Gene No.	30003	Strand	-
Start	13170	End	14671
Name	OJ990517_20.9819.C3.o4.gs	Method	GENSCAN
Start	13170	End	14671
GI	none	Score	.77
Exons	13170..13319, 14495..14671		

Seq. No.	14041	Seq. ID	OJ990517_20.9819.C4
Gene No.	30004	Strand	+
Start	74	End	838
Name	OJ990517_20.9819.C4.o1.gs	Method	GENSCAN
Start	74	End	838
GI	none	Score	.72
Exons	74..193, 438..838		

Seq. No.	14042	Seq. ID	OJ990517_20.9819.C5
Gene No.	30005	Strand	+
Start	1	End	5185
Name	OJ990517_20.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	5185
GI	3021270	Score	731
Exons	1..46, 247..379, 2840..2983, 3999..4206, 4299..4536, 4617..4773, 4913..5185		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	14042	Seq. ID	OJ990517_20.9819.C5
Gene No.	30006	Strand	-
Start	105	End	5101
Name	OJ990517_20.9819.C5.o1.gs	Method	GENSCAN
Start	105	End	4136
GI	none	Score	.56
Exons	105..245, 637..742, 990..1044, 1435..1518, 1556..1655, 2661..2861, 3003..3028, 4053..4136		

Seq. No.	14042	Seq. ID	OJ990517_20.9819.C5
Gene No.	30006	Strand	-
Start	105	End	5101
Name	OJ990517_20.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	2768	End	5083
GI	none	Score	94
Exons	2768..2992, 4010..4201, 4014..4214, 4014..4205, 4298..4534, 4318..4533, 4609..4719, 4617..4712, 4916..5083, 4987..5082		

Seq. No.	14042	Seq. ID	OJ990517_20.9819.C5
Gene No.	30006	Strand	-
Start	105	End	5101
Name	OJ990517_20.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	2828	End	5091
GI	none	Score	85
Exons	2828..2980, 4010..4246, 4017..4205, 4298..4534, 4312..4536, 4318..4533, 4597..4725, 4620..4712, 4919..5086, 4945..5091		

Seq. No.	14042	Seq. ID	OJ990517_20.9819.C5
Gene No.	30006	Strand	-
Start	105	End	5101
Name	OJ990517_20.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	2891	End	5101
GI	none	Score	79
Exons	2891..2980, 4010..4201, 4017..4229, 4026..4229, 4318..4533, 4319..4534, 4608..4718, 4609..4719, 4916..5101, 4978..5055		

Seq. No.	14042	Seq. ID	OJ990517_20.9819.C5
Gene No.	30006	Strand	-
Start	105	End	5101
Name	OJ990517_20.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	4010	End	4360
GI	none	Score	196
Exons	4010..4246, 4014..4223, 4319..4360		

Seq. No.	14042	Seq. ID	OJ990517_20.9819.C5

Gene No.	30006	Strand	-
Start	105	End	5101
Name	OJ990517_20.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	4360	End	4728
GI	none	Score	205
Exons	4360..4536, 4361..4537, 4597..4728, 4608..4727		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30007	Strand	-
Start	1219	End	8715
Name	OJ990517_20.9819.C6.o1.gs	Method	GENSCAN
Start	1219	End	8715
GI	none	Score	.6
Exons	1219..1298, 1791..2046, 6470..6790, 6953..7276, 7381..7475, 7574..7728, 7841..7957, 8285..8715		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30007	Strand	-
Start	1219	End	8715
Name	OJ990517_20.9819.C6.o1.np	Method	AAT/NAP
Start	8175	End	8604
GI	5441880	Score	486
Exons	8175..8604		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o2.gs	Method	GENSCAN
Start	10480	End	29783
GI	none	Score	.51
Exons	10480..10587, 10778..10958, 11009..11374, 11395..11539, 11548..11808, 11954..12165, 14301..15503, 17871..17959, 18435..18552, 19650..22404, 22485..22629, 22713..24059, 24519..24583, 24665..24779, 24930..25008, 25225..25426, 25998..26293, 26427..26609, 28639..29783		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o1.gp	Method	AAT/GAP
Start	17578	End	18273
GI	none	Score	1078
Exons	17578..18084, 18202..18273		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	18219	End	18837
GI	none	Score	307
Exons	18219..18542, 18221..18328, 18228..18581, 18421..18570, 18638..18835, 18644..18835, 18648..18836, 18658..18837		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6

Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	18240	End	18545
GI	none	Score	101
Exons	18240..18545, 18243..18530		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	18247	End	18827
GI	none	Score	122
Exons	18247..18489, 18264..18545, 18638..18826, 18693..18827		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o2.gp	Method	AAT/GAP
Start	18258	End	19906
GI	9064_1.R1084	Score	1405
Exons	18258..18552, 18639..18833, 19650..19906		
GI Descrip.	'3738332 7.0e-10 (AC005170) putative eukaryotic initiation factor [Arabidopsis thaliana]'		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	18665	End	19871
GI	none	Score	187
Exons	18665..18835, 18667..18834, 18693..18836, 19611..19790, 19652..19789, 19791..19832, 19805..19870, 19836..19871		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	19611	End	20878
GI	none	Score	138
Exons	19611..19790, 19652..19789, 19809..19886, 19829..19885, 19859..19972, 19864..19974, 19881..19976, 20016..20045, 20048..20089, 20049..20111, 20087..20149, 20108..20578, 20157..20591, 20189..20575, 20197..20595, 20656..20874, 20693..20878, 20697..20852		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o2.np	Method	AAT/NAP
Start	20120	End	20950
GI	3941724	Score	500
Exons	20120..20950		
GI Descrip.	(AF104913) eukaryotic protein synthesis initiation factor [Homo sapiens]		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6

Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	20184	End	20706
GI	none	Score	282
Exons	20184..20444, 20189..20575, 20195..20578, 20215..20586, 20217..20612, 20218..20583, 20496..20588, 20656..20706		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	20222	End	20572
GI	none	Score	98
Exons	20222..20407, 20408..20470, 20483..20572		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	20708	End	21065
GI	none	Score	174
Exons	20708..21037, 20709..20858, 20713..21012, 20933..21019, 20976..21035, 21006..21065		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	20800	End	20992
GI	none	Score	177
Exons	20800..20991, 20801..20992		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	20880	End	21625
GI	none	Score	192
Exons	20880..21104, 20909..21112, 20915..21112, 21125..21157, 21185..21313, 21185..21313, 21186..21320, 21314..21379, 21315..21344, 21365..21469, 21366..21461, 21491..21580, 21491..21625		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	21238	End	21565
GI	none	Score	98
Exons	21238..21315, 21239..21313, 21297..21455, 21314..21460, 21315..21464, 21373..21465, 21458..21565, 21464..21565		

Seq. No.	14043	Seq. ID	OJ990517_20.9819.C6
Gene No.	30008	Strand	-
Start	10480	End	29783
Name	OJ990517_20.9819.C6.o4.tm	Method	TBLASTX:Maize

Start	21629	End	21985
GI	none	Score	62
Exons	21629..21709, 21635..21880, 21642..21881, 21781..21888, 21931..21978, 21932..21985		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30009	Strand	+
Start	3989	End	5884
Name	OJ990517_20.9819.C7.o3.gs	Method	GENSCAN
Start	3989	End	5884
GI	none	Score	.4
Exons	3989..4109, 5559..5884		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30010	Strand	+
Start	9916	End	10122
Name	OJ990517_20.9819.C7.o5.gs	Method	GENSCAN
Start	9916	End	10122
GI	none	Score	.86
Exons	9916..10122		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30011	Strand	+
Start	10492	End	19039
Name	OJ990517_20.9819.C7.o2.np	Method	AAT/NAP
Start	10492	End	19033
GI	3193321	Score	87
Exons	10492..10603, 17561..17812, 18966..19033		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30011	Strand	+
Start	10492	End	19039
Name	OJ990517_20.9819.C7.o6.gs	Method	GENSCAN
Start	11027	End	12827
GI	none	Score	.97
Exons	11027..11386, 12480..12827		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30011	Strand	+
Start	10492	End	19039
Name	OJ990517_20.9819.C7.o7.gs	Method	GENSCAN
Start	13312	End	14199
GI	none	Score	.62
Exons	13312..13947, 14047..14199		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30011	Strand	+
Start	10492	End	19039
Name	OJ990517_20.9819.C7.o8.gs	Method	GENSCAN
Start	15094	End	19039
GI	none	Score	.49
Exons	15094..15437, 17026..17332, 17611..17735, 18017..18794, 18887..19039		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30011	Strand	+

Start	10492	End	19039
Name	OJ990517_20.9819.C7.o3.np	Method	AAT/NAP
Start	17450	End	19033
GI	3193321	Score	87
Exons	17450..17812, 18966..19033		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30012	Strand	-
Start	1	End	8633
Name	OJ990517_20.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	8427
GI	6561998	Score	104
Exons	1..19, 2589..2736, 8074..8102, 8238..8427		
GI Descrip.	(AL133363) proline-rich protein [Arabidopsis thaliana]		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30012	Strand	-
Start	1	End	8633
Name	OJ990517_20.9819.C7.o2.gs	Method	GENSCAN
Start	1575	End	2909
GI	none	Score	.91
Exons	1575..2909		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30012	Strand	-
Start	1	End	8633
Name	OJ990517_20.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	2625	End	8576
GI	none	Score	49
Exons	2625..2765, 8329..8391, 8346..8390, 8415..8576, 8464..8532		

Seq. No.	14044	Seq. ID	OJ990517_20.9819.C7
Gene No.	30012	Strand	-
Start	1	End	8633
Name	OJ990517_20.9819.C7.o4.gs	Method	GENSCAN
Start	7347	End	8633
GI	none	Score	.98
Exons	7347..8633		

Seq. No.	14045	Seq. ID	OJ990517_20.9819.C9
Gene No.	30013	Strand	-
Start	1	End	739
Name	OJ990517_20.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	739
GI	4680179	Score	1083
Exons	1..739		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	14045	Seq. ID	OJ990517_20.9819.C9
Gene No.	30013	Strand	-
Start	1	End	739
Name	OJ990517_20.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	37	End	420
GI	none	Score	189
Exons	37..420, 42..413, 71..415, 309..347		

Seq. No.	14045	Seq. ID	OJ990517_20.9819.C9
Gene No.	30013	Strand	-
Start	1	End	739
Name	OJ990517_20.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	145	End	462
GI	none	Score	241
Exons	145..462, 149..451		

Seq. No.	14045	Seq. ID	OJ990517_20.9819.C9
Gene No.	30013	Strand	-
Start	1	End	739
Name	OJ990517_20.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	379	End	639
GI	none	Score	180
Exons	379..639, 380..628		

Seq. No.	14045	Seq. ID	OJ990517_20.9819.C9
Gene No.	30013	Strand	-
Start	1	End	739
Name	OJ990517_20.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	403	End	729
GI	none	Score	88
Exons	403..546, 404..544, 547..729		

Seq. No.	14045	Seq. ID	OJ990517_20.9819.C9
Gene No.	30013	Strand	-
Start	1	End	739
Name	OJ990517_20.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	426	End	738
GI	none	Score	153
Exons	426..680, 427..738, 431..709		

Seq. No.	14045	Seq. ID	OJ990517_20.9819.C9
Gene No.	30013	Strand	-
Start	1	End	739
Name	OJ990517_20.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	463	End	739
GI	none	Score	145
Exons	463..738, 464..739		

Seq. No.	14046	Seq. ID	OJ990517_20.9819.C11
Gene No.	30014	Strand	+
Start	3224	End	3578
Name	OJ990517_20.9819.C11.o1.gs	Method	GENSCAN
Start	3224	End	3578
GI	none	Score	.94
Exons	3224..3414, 3461..3578		

Seq. No.	14046	Seq. ID	OJ990517_20.9819.C11
Gene No.	30014	Strand	+
Start	3224	End	3578
Name	OJ990517_20.9819.C11.o1.np	Method	AAT/NAP
Start	3344	End	3575
GI	5042462	Score	117
Exons	3344..3455, 3484..3575		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	14046	Seq. ID	OJ990517_20.9819.C11
Gene No.	30015	Strand	+
Start	7835	End	10143
Name	OJ990517_20.9819.C11.o3.gs	Method	GENSCAN
Start	7835	End	10143
GI	none	Score	.73
Exons	7835..7898, 9992..10143		

Seq. No.	14046	Seq. ID	OJ990517_20.9819.C11
Gene No.	30016	Strand	-
Start	3750	End	5102
Name	OJ990517_20.9819.C11.o2.gs	Method	GENSCAN
Start	3750	End	5102
GI	none	Score	.45
Exons	3750..3897, 4533..4563, 5078..5102		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30017	Strand	+
Start	4068	End	7973
Name	OJ990517_20.9819.C12.o1.np	Method	AAT/NAP
Start	4068	End	7973
GI	6539553	Score	6699
Exons	4068..7973		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30018	Strand	-
Start	11976	End	14512
Name	OJ990517_20.9819.C12.o2.np	Method	AAT/NAP
Start	11976	End	14185
GI	3915635	Score	144
Exons	11976..12082, 13442..13584, 13683..13807, 13920..14021, 14115..14185		
GI Descrip.	CYCLIN DELTA-1 gi|2995130|emb|CAA58285| (X83369) cyclin delta-1 [Arabidopsis thaliana]		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30018	Strand	-
Start	11976	End	14512
Name	OJ990517_20.9819.C12.o2.gs	Method	GENSCAN
Start	12513	End	14512
GI	none	Score	.84
Exons	12513..12572, 12809..13021, 13379..13509, 13600..13807, 13923..14024, 14115..14207, 14318..14512		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o4.tw	Method	TBLASTX:Wheat
Start	4062	End	4449
GI	none	Score	353
Exons	4062..4448, 4073..4447, 4186..4449		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	4197	End	4510
GI	none	Score	365
Exons	4197..4508, 4205..4510		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	5009	End	5331
GI	none	Score	268
Exons	5009..5263, 5016..5330, 5036..5329, 5164..5331		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o5.ts	Method	TBLASTX:Soybean
Start	5358	End	5744
GI	none	Score	89
Exons	5358..5513, 5496..5744		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o5.tw	Method	TBLASTX:Wheat
Start	5609	End	5808
GI	none	Score	275
Exons	5609..5680, 5610..5807, 5613..5807, 5614..5808, 5737..5808		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o5.tm	Method	TBLASTX:Maize
Start	5658	End	6152
GI	none	Score	232
Exons	5658..5966, 5741..5932, 5787..5942, 5985..6152		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	5754	End	6152
GI	none	Score	201
Exons	5754..5978, 5762..5932, 5763..5933, 5979..6152, 5987..6025		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	5787	End	6176
GI	none	Score	115
Exons	5787..5969, 5982..6176		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12

Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	5810	End	6557
GI	none	Score	865
Exons	5810..6289, 5817..6557, 6309..6437, 6340..6531, 6407..6556, 6504..6557		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	6525	End	6941
GI	5509260	Score	361
Exons	6525..6941, 6578..6646, 6695..6790, 6863..6922		
GI Descrip.	-		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	6570	End	6830
GI	none	Score	284
Exons	6570..6830, 6572..6649		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	6612	End	7076
GI	none	Score	359
Exons	6612..7076, 6629..6793, 6747..6929, 6863..6973		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	6612	End	7157
GI	none	Score	319
Exons	6612..6956, 6759..6932, 6951..7157, 7025..7147		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	7010	End	7355
GI	none	Score	309
Exons	7010..7210, 7011..7355		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	7166	End	7505
GI	none	Score	309
Exons	7166..7504, 7167..7505		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	7361	End	13760
GI	none	Score	101
Exons	7361..7432, 7362..7436, 7363..7434, 7451..7837, 7452..7799, 7453..7836, 13695..13760		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	7368	End	7709
GI	none	Score	91
Exons	7368..7481, 7394..7474, 7500..7709, 7505..7630		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o6.ts	Method	TBLASTX:Soybean
Start	13691	End	14177
GI	none	Score	65
Exons	13691..13804, 13920..14045, 14118..14177		

Seq. No.	14047	Seq. ID	OJ990517_20.9819.C12
Gene No.	30019	Strand	-
Start	15216	End	16496
Name	OJ990517_20.9819.C12.o3.gs	Method	GENSCAN
Start	15216	End	16496
GI	none	Score	.42
Exons	15216..15336, 15602..15819, 15999..16009, 16335..16496		

Seq. No.	14048	Seq. ID	OJ990517_20.9819.C14
Gene No.	30020	Strand	+
Start	907	End	1108
Name	OJ990517_20.9819.C14.o1.gs	Method	GENSCAN
Start	907	End	1108
GI	none	Score	.9
Exons	907..1108		

Seq. No.	14048	Seq. ID	OJ990517_20.9819.C14
Gene No.	30021	Strand	-
Start	1822	End	5648
Name	OJ990517_20.9819.C14.o2.gs	Method	GENSCAN
Start	1822	End	3862
GI	none	Score	.49
Exons	1822..1873, 2035..2098, 2532..2630, 3118..3246, 3721..3862		

Seq. No.	14048	Seq. ID	OJ990517_20.9819.C14
Gene No.	30021	Strand	-
Start	1822	End	5648
Name	OJ990517_20.9819.C14.o1.np	Method	AAT/NAP
Start	1831	End	3172
GI	2832681	Score	319
Exons	1831..1873, 2025..2098, 2370..2422, 2532..2630, 3118..3172		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	14048	Seq. ID	OJ990517_20.9819.C14
Gene No.	30021	Strand	-
Start	1822	End	5648
Name	OJ990517_20.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	2013	End	3191
GI	none	Score	82
Exons	2013..2102, 2024..2116, 2028..2096, 2370..2420, 2533..2631, 2537..2629, 3114..3191, 3119..3184		

Seq. No.	14048	Seq. ID	OJ990517_20.9819.C14
Gene No.	30021	Strand	-
Start	1822	End	5648
Name	OJ990517_20.9819.C14.o1.gp	Method	AAT/GAP
Start	2015	End	3837
GI	1881_3.R1084	Score	788
Exons	2015..2098, 2370..2422, 2532..2630, 3118..3246, 3711..3837		
GI Descrip.	'2832681/emb|CAA16781.1| 1.0e-38 (AL021712) putative protein [Arabidopsis thaliana]'		

Seq. No.	14048	Seq. ID	OJ990517_20.9819.C14
Gene No.	30021	Strand	-
Start	1822	End	5648
Name	OJ990517_20.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	2024	End	3174
GI	none	Score	75
Exons	2024..2116, 2025..2099, 2370..2420, 2533..2631, 2534..2629, 3114..3173, 3119..3172, 3121..3174		

Seq. No.	14048	Seq. ID	OJ990517_20.9819.C14
Gene No.	30021	Strand	-
Start	1822	End	5648
Name	OJ990517_20.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	2024	End	3167
GI	none	Score	92
Exons	2024..2116, 2025..2096, 2365..2415, 2370..2420, 2371..2421, 2533..2631, 2537..2629, 3114..3167, 3114..3161, 3119..3166		

Seq. No.	14048	Seq. ID	OJ990517_20.9819.C14
Gene No.	30021	Strand	-
Start	1822	End	5648
Name	OJ990517_20.9819.C14.o2.np	Method	AAT/NAP
Start	2153	End	5648
GI	5295951	Score	168
Exons	2153..2201, 5425..5648		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30022	Strand	+
Start	466	End	690
Name	OJ990517_20.9819.C15.o1.gp	Method	AAT/GAP
Start	466	End	690
GI	none	Score	300
Exons	466..690		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15

Gene No.	30023	Strand	+
Start	1328	End	15918
Name	OJ990517_20.9819.C15.o2.gp	Method	AAT/GAP
Start	1328	End	1770
GI	uC-osroM202028b06b1	Score	866
Exons	1328..1770		
GI Descrip.	'3445397/emb|CAA09029.1| 3.0e-45 (AJ010166) S-domain receptor-like protein kinase [Zea mays]'		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30023	Strand	+
Start	1328	End	15918
Name	OJ990517_20.9819.C15.o1.gs	Method	GENSCAN
Start	1443	End	12658
GI	none	Score	.47
Exons	1443..2440, 2525..3891, 6398..7848, 8340..8407, 9193..11906, 11994..12658		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30023	Strand	+
Start	1328	End	15918
Name	OJ990517_20.9819.C15.o1.np	Method	AAT/NAP
Start	1443	End	3914
GI	3445397	Score	3696
Exons	1443..3914		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30023	Strand	+
Start	1328	End	15918
Name	OJ990517_20.9819.C15.o2.np	Method	AAT/NAP
Start	6247	End	15918
GI	3445397	Score	1164
Exons	6247..7942, 15618..15918		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30024	Strand	-
Start	3654	End	4104
Name	OJ990517_20.9819.C15.o3.gp	Method	AAT/GAP
Start	3654	End	4104
GI	uC-osroM202028b06a1	Score	898
Exons	3654..4104		
GI Descrip.	'3445397/emb|CAA09029.1| 1.0e-28 (AJ010166) S-domain receptor-like protein kinase [Zea mays]'		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30025	Strand	-
Start	13298	End	14857
Name	OJ990517_20.9819.C15.o2.gs	Method	GENSCAN
Start	13298	End	14857
GI	none	Score	.7
Exons	13298..13570, 14795..14857		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821

Name	OJ990517_20.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	1404	End	6681
GI	none	Score	58
Exons	1404..1466, 1431..1454, 1433..1465, 1499..1588, 1500..1778, 1500..1595, 1628..1777, 1634..1783, 1651..1785, 1774..1812, 1775..1840, 1776..1838, 6310..6396, 6382..6549, 6631..6681		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	1599	End	15821
GI	none	Score	114
Exons	1599..1751, 1881..1922, 1965..2030, 2040..2162, 2064..2162, 2211..2444, 2214..2300, 2990..3166, 2991..3521, 2994..3179, 3200..3520, 3260..3523, 3537..3785, 3579..3758, 6385..6576, 6502..6573, 6670..6714, 6763..6804, 6829..6954, 7003..7245, 7675..7806, 7780..7905, 15647..15820, 15657..15821		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	1614	End	6804
GI	none	Score	88
Exons	1614..1697, 1710..1769, 1869..2012, 6345..6482, 6349..6501, 6499..6621, 6522..6545, 6604..6804, 6675..6800		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	2135	End	7293
GI	none	Score	153
Exons	2135..2260, 2136..2264, 2142..2261, 2271..2486, 2274..2336, 2285..2443, 6925..7062, 7063..7293, 7071..7247		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	2268	End	7419
GI	none	Score	154
Exons	2268..2486, 2321..2443, 2592..2663, 7066..7296, 7351..7419		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	2268	End	7419
GI	none	Score	81
Exons	2268..2351, 2373..2483, 2592..2633, 7003..7173, 7162..7284, 7354..7419		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821

Name	OJ990517_20.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	2718	End	7824
GI	none	Score	47
Exons	2718..2753, 2724..3035, 2726..3031, 2832..3035, 7675..7824, 7701..7814		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	2774	End	15794
GI	none	Score	39
Exons	2774..2791, 2841..3197, 2879..3181, 3067..3186, 3180..3332, 3201..3311, 3206..3325, 7581..7655, 7633..7905, 7662..7907, 15649..15768, 15650..15793, 15657..15794		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	3035	End	7905
GI	none	Score	189
Exons	3035..3169, 3036..3170, 7828..7905		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	3050	End	15821
GI	none	Score	134
Exons	3050..3181, 3051..3203, 3201..3401, 3224..3376, 3402..3464, 15647..15817, 15651..15821		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	3172	End	15821
GI	none	Score	71
Exons	3172..3441, 3194..3541, 3201..3551, 3552..3785, 3554..3766, 15657..15821, 15659..15817		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	3335	End	3704
GI	none	Score	242
Exons	3335..3577, 3357..3590, 3375..3590, 3566..3643, 3582..3704		

Seq. No.	14049	Seq. ID	OJ990517_20.9819.C15
Gene No.	30026	Strand	-
Start	15205	End	15821
Name	OJ990517_20.9819.C15.o4.gp	Method	AAT/GAP
Start	15205	End	15301
GI	uC-osflcyp022c06b2	Score	149
Exons	15205..15301		

GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30027	Strand	+
Start	1	End	1328
Name	OJ990107_04.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1325
GI	4680179	Score	2071
Exons	1..1325		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30027	Strand	+
Start	1	End	1328
Name	OJ990107_04.9819.C1.o1.gs	Method	GENSCAN
Start	126	End	1328
GI	none	Score	.94
Exons	126..1328		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30028	Strand	-
Start	1611	End	4120
Name	OJ990107_04.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	60	End	314
GI	none	Score	342
Exons	60..113, 96..314, 96..281, 106..300		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30028	Strand	-
Start	1611	End	4120
Name	OJ990107_04.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	102	End	362
GI	none	Score	302
Exons	102..362, 107..208, 294..362		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30028	Strand	-
Start	1611	End	4120
Name	OJ990107_04.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	160	End	452
GI	none	Score	390
Exons	160..351, 162..452, 263..448		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30028	Strand	-
Start	1611	End	4120
Name	OJ990107_04.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	321	End	947
GI	none	Score	649
Exons	321..947, 324..350, 377..946		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30028	Strand	-
Start	1611	End	4120
Name	OJ990107_04.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	501	End	1088

GI	none	Score	220
Exons	501..662, 505..651, 509..655, 660..758, 660..728, 662..757, 819..1088, 827..1087		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30028	Strand	-
Start	1611	End	4120
Name	OJ990107_04.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	947	End	1280
GI	none	Score	364
Exons	947..1084, 948..1280		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30028	Strand	-
Start	1611	End	4120
Name	OJ990107_04.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	1089	End	1335
GI	none	Score	205
Exons	1089..1301, 1303..1335		

Seq. No.	14050	Seq. ID	OJ990107_04.9819.C1
Gene No.	30028	Strand	-
Start	1611	End	4120
Name	OJ990107_04.9819.C1.o2.np	Method	AAT/NAP
Start	1611	End	4120
GI	5295955	Score	883
Exons	1611..2364, 2391..2661, 3344..3458, 4000..4120		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	14051	Seq. ID	OJ990107_04.9819.C2
Gene No.	30029	Strand	+
Start	1371	End	2767
Name	OJ990107_04.9819.C2.o1.gs	Method	GENSCAN
Start	1371	End	2013
GI	none	Score	.63
Exons	1371..1571, 1636..2013		

Seq. No.	14051	Seq. ID	OJ990107_04.9819.C2
Gene No.	30029	Strand	+
Start	1371	End	2767
Name	OJ990107_04.9819.C2.o1.np	Method	AAT/NAP
Start	1371	End	2767
GI	4680179	Score	830
Exons	1371..2767		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	14051	Seq. ID	OJ990107_04.9819.C2
Gene No.	30029	Strand	+
Start	1371	End	2767
Name	OJ990107_04.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	1632	End	1995
GI	none	Score	302
Exons	1632..1736, 1636..1995, 1761..1994		

Seq. No.	14052	Seq. ID	OJ990107_04.9819.C4
Gene No.	30030	Strand	+

Start	1298	End	1908
Name	OJ990107_04.9819.C4.o1.gs	Method	GENSCAN
Start	1298	End	1908
GI	none	Score	.82
Exons	1298..1396, 1667..1908		

Seq. No.	14053	Seq. ID	OJ990107_04.9819.C5
Gene No.	30031	Strand	+
Start	659	End	1005
Name	OJ990107_04.9819.C5.o1.gp	Method	AAT/GAP
Start	659	End	1001
GI	LIB3474-001-P1-K1-D7	Score	390
Exons	659..792, 906..1001		
GI Descrip.	'3980415 9.0e-31 (AC004561) putative tropinone reductase [Arabidopsis thaliana]'		

Seq. No.	14053	Seq. ID	OJ990107_04.9819.C5
Gene No.	30031	Strand	+
Start	659	End	1005
Name	OJ990107_04.9819.C5.o1.gs	Method	GENSCAN
Start	710	End	1005
GI	none	Score	.94
Exons	710..792, 906..1005		

Seq. No.	14054	Seq. ID	OJ990107_04.9819.C9
Gene No.	30032	Strand	+
Start	967	End	1082
Name	OJ990107_04.9819.C9.o1.gs	Method	GENSCAN
Start	967	End	1082
GI	none	Score	.49
Exons	967..1082		

Seq. No.	14055	Seq. ID	OJ990107_04.9819.C10
Gene No.	30033	Strand	+
Start	1	End	1000
Name	OJ990107_04.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	6006874	Score	248
Exons	1..51, 450..1000		
GI Descrip.	(AC008153) putative UDP-glucuronosyltransferase, 5' partial [Arabidopsis thaliana]		

Seq. No.	14055	Seq. ID	OJ990107_04.9819.C10
Gene No.	30033	Strand	+
Start	1	End	1000
Name	OJ990107_04.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	417	End	901
GI	none	Score	55
Exons	417..527, 482..526, 583..813, 629..814, 806..901		

Seq. No.	14055	Seq. ID	OJ990107_04.9819.C10
Gene No.	30033	Strand	+
Start	1	End	1000
Name	OJ990107_04.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	500	End	826
GI	none	Score	52
Exons	500..559, 593..826, 616..816		

Seq. No.	14055	Seq. ID	OJ990107_04.9819.C10
Gene No.	30033	Strand	+
Start	1	End	1000
Name	OJ990107_04.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	512	End	817
GI	none	Score	41
Exons	512..541, 598..807, 599..817,	605..811	

Seq. No.	14055	Seq. ID	OJ990107_04.9819.C10
Gene No.	30033	Strand	+
Start	1	End	1000
Name	OJ990107_04.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	593	End	948
GI	none	Score	213
Exons	593..814, 610..804, 814..948		

Seq. No.	14055	Seq. ID	OJ990107_04.9819.C10
Gene No.	30033	Strand	+
Start	1	End	1000
Name	OJ990107_04.9819.C10.o1.gs	Method	GENSCAN
Start	812	End	937
GI	none	Score	.47
Exons	812..937		

Seq. No.	14056	Seq. ID	OJ990107_04.9819.C11
Gene No.	30034	Strand	-
Start	119	End	238
Name	OJ990107_04.9819.C11.o1.gs	Method	GENSCAN
Start	119	End	238
GI	none	Score	.67
Exons	119..238		

Seq. No.	14057	Seq. ID	OJ990107_04.9819.C12
Gene No.	30035	Strand	+
Start	1	End	296
Name	OJ990107_04.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	296
GI	5815410	Score	85
Exons	1..98, 225..296		
GI Descrip.	(AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]		

Seq. No.	14057	Seq. ID	OJ990107_04.9819.C12
Gene No.	30036	Strand	+
Start	224	End	347
Name	OJ990107_04.9819.C12.o1.gp	Method	AAT/GAP
Start	224	End	347
GI	956_1.R1084	Score	197
Exons	224..347		
GI Descrip.	'5815410/gb|AAD52659.1|AF177392_1 0.0e+00 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'		

Seq. No.	14057	Seq. ID	OJ990107_04.9819.C12
Gene No.	30036	Strand	+
Start	224	End	347

Name	OJ990107_04.9819.C12.o1.gs	Method	GENSCAN
Start	225	End	299
GI	none	Score	.68
Exons	225..299		

Seq. No.	14058	Seq. ID	OJ990107_04.9819.C13
Gene No.	30037	Strand	-
Start	928	End	1002
Name	OJ990107_04.9819.C13.o1.gs	Method	GENSCAN
Start	928	End	1002
GI	none	Score	.77
Exons	928..1002		

Seq. No.	14059	Seq. ID	OJ990107_04.9819.C14
Gene No.	30038	Strand	-
Start	1	End	1194
Name	OJ990107_04.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	1194
GI	4680179	Score	230
Exons	1..77, 856..1194		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	14059	Seq. ID	OJ990107_04.9819.C14
Gene No.	30038	Strand	-
Start	1	End	1194
Name	OJ990107_04.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	973	End	1164
GI	none	Score	140
Exons	973..1164, 998..1162		

Seq. No.	14059	Seq. ID	OJ990107_04.9819.C14
Gene No.	30038	Strand	-
Start	1	End	1194
Name	OJ990107_04.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	973	End	1156
GI	none	Score	138
Exons	973..1155, 977..1156		

Seq. No.	14060	Seq. ID	OJ990107_04.9819.C15
Gene No.	30039	Strand	-
Start	168	End	228
Name	OJ990107_04.9819.C15.o1.gs	Method	GENSCAN
Start	168	End	228
GI	none	Score	.68
Exons	168..228		

Seq. No.	14061	Seq. ID	OJ990107_04.9819.C19
Gene No.	30040	Strand	-
Start	750	End	881
Name	OJ990107_04.9819.C19.o1.gs	Method	GENSCAN
Start	750	End	881
GI	none	Score	.5
Exons	750..881		

Seq. No.	14062	Seq. ID	OJ990107_04.9819.C21
Gene No.	30041	Strand	+
Start	1974	End	4320

Name	OJ990107_04.9819.C21.o2.tw	Method	TBLASTX:Wheat
Start	1968	End	2305
GI	none	Score	279
Exons	1968..2282, 1979..2281, 2139..2300, 2282..2305		

Seq. No.	14062	Seq. ID	OJ990107_04.9819.C21
Gene No.	30041	Strand	+
Start	1974	End	4320
Name	OJ990107_04.9819.C21.o1.np	Method	AAT/NAP
Start	1974	End	4308
GI	6523070	Score	658
Exons	1974..2454, 3422..4308		
GI Descrip.	(AL133314) glucosyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	14062	Seq. ID	OJ990107_04.9819.C21
Gene No.	30041	Strand	+
Start	1974	End	4320
Name	OJ990107_04.9819.C21.o1.gs	Method	GENSCAN
Start	1980	End	4320
GI	none	Score	.89
Exons	1980..2445, 3422..4320		

Seq. No.	14062	Seq. ID	OJ990107_04.9819.C21
Gene No.	30041	Strand	+
Start	1974	End	4320
Name	OJ990107_04.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	1994	End	3867
GI	none	Score	105
Exons	1994..2101, 1995..2102, 2112..2282, 2139..2273, 2285..2455, 2286..2450, 3420..3665, 3421..3666, 3696..3866, 3697..3867		

Seq. No.	14062	Seq. ID	OJ990107_04.9819.C21
Gene No.	30041	Strand	+
Start	1974	End	4320
Name	OJ990107_04.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	2001	End	4227
GI	none	Score	73
Exons	2001..2102, 2286..2450, 3550..3600, 3628..3660, 3676..3849, 3696..3869, 3697..3867, 3888..4121, 3889..4122, 3940..4122, 4114..4227		

Seq. No.	14062	Seq. ID	OJ990107_04.9819.C21
Gene No.	30041	Strand	+
Start	1974	End	4320
Name	OJ990107_04.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	2004	End	4221
GI	none	Score	80
Exons	2004..2105, 2175..2246, 2286..2429, 3550..3663, 3681..3866, 3706..3867, 3885..4133, 3889..4125, 4141..4221		

Seq. No.	14062	Seq. ID	OJ990107_04.9819.C21
Gene No.	30041	Strand	+
Start	1974	End	4320
Name	OJ990107_04.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	3715	End	4112
GI	none	Score	159

Exons	3715..3861, 3720..3890, 3861..4112, 3883..4110		
Seq. No.	14062	Seq. ID	OJ990107_04.9819.C21
Gene No.	30041	Strand	+
Start	1974	End	4320
Name	OJ990107_04.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	3880	End	4122
GI	none	Score	304
Exons	3880..4122, 3885..4118		
Seq. No.	14063	Seq. ID	OJ990107_04.9819.C22
Gene No.	30042	Strand	+
Start	377	End	540
Name	OJ990107_04.9819.C22.o1.gp	Method	AAT/GAP
Start	377	End	540
GI	none	Score	263
Exons	377..540		
Seq. No.	14063	Seq. ID	OJ990107_04.9819.C22
Gene No.	30043	Strand	+
Start	580	End	736
Name	OJ990107_04.9819.C22.o2.gp	Method	AAT/GAP
Start	580	End	736
GI	jC-osleLIB3474037g11a1	Score	268
Exons	580..736		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		
Seq. No.	14064	Seq. ID	OJ990107_04.9819.C23
Gene No.	30044	Strand	-
Start	1059	End	2249
Name	OJ990107_04.9819.C23.o1.gs	Method	GENSCAN
Start	1059	End	2249
GI	none	Score	.47
Exons	1059..1173, 1735..2249		
Seq. No.	14064	Seq. ID	OJ990107_04.9819.C23
Gene No.	30044	Strand	-
Start	1059	End	2249
Name	OJ990107_04.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	1779	End	2117
GI	none	Score	190
Exons	1779..2117		
Seq. No.	14065	Seq. ID	OJ990107_04.9819.C24
Gene No.	30045	Strand	+
Start	585	End	3987
Name	OJ990107_04.9819.C24.o1.np	Method	AAT/NAP
Start	585	End	3987
GI	3980406	Score	576
Exons	585..777, 1172..1227, 1341..1548, 1664..1880, 2451..2568, 3813..3987		
GI Descrip.	(AC004561) putative tropinone reductase [Arabidopsis thaliana]		
Seq. No.	14065	Seq. ID	OJ990107_04.9819.C24
Gene No.	30045	Strand	+
Start	585	End	3987

Name	OJ990107_04.9819.C24.o1.gp	Method	AAT/GAP
Start	1094	End	1723
GI	LIB3474-001-P1-K1-D7	Score	733
Exons	1094..1227, 1341..1548, 1664..1723		
GI Descrip.	'3980415 9.0e-31 (AC004561) putative tropinone reductase [Arabidopsis thaliana]'		

Seq. No.	14065	Seq. ID	OJ990107_04.9819.C24
Gene No.	30045	Strand	+
Start	585	End	3987
Name	OJ990107_04.9819.C24.o1.gs	Method	GENSCAN
Start	1145	End	2014
GI	none	Score	.75
Exons	1145..1227, 1341..1548, 1664..1880, 1992..2014		

Seq. No.	14065	Seq. ID	OJ990107_04.9819.C24
Gene No.	30046	Strand	-
Start	3769	End	3975
Name	OJ990107_04.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	1148	End	3962
GI	none	Score	90
Exons	1148..1231, 1162..1230, 1344..1550, 1345..1551, 1348..1551, 1657..1839, 1664..1882, 2440..2526, 2443..2544, 2444..2548, 3838..3954, 3846..3962		

Seq. No.	14065	Seq. ID	OJ990107_04.9819.C24
Gene No.	30046	Strand	-
Start	3769	End	3975
Name	OJ990107_04.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	1166	End	3962
GI	none	Score	68
Exons	1166..1231, 1171..1227, 1344..1547, 1345..1551, 1606..1881, 1664..1882, 2437..2559, 2444..2560, 3805..3954, 3846..3962		

Seq. No.	14065	Seq. ID	OJ990107_04.9819.C24
Gene No.	30046	Strand	-
Start	3769	End	3975
Name	OJ990107_04.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	1169	End	1792
GI	none	Score	87
Exons	1169..1231, 1174..1227, 1344..1565, 1345..1551, 1657..1788, 1664..1792		

Seq. No.	14065	Seq. ID	OJ990107_04.9819.C24
Gene No.	30046	Strand	-
Start	3769	End	3975
Name	OJ990107_04.9819.C24.o2.gs	Method	GENSCAN
Start	3769	End	3975
GI	none	Score	.93
Exons	3769..3975		

Seq. No.	14066	Seq. ID	OJ990107_04.9819.C28
Gene No.	30047	Strand	+
Start	1186	End	1376
Name	OJ990107_04.9819.C28.o1.gs	Method	GENSCAN
Start	1186	End	1376
GI	none	Score	.89

Exons	1186..1376		
Seq. No.	14067	Seq. ID	OJ990107_04.9819.C29
Gene No.	30048	Strand	-
Start	1	End	4529
Name	OJ990107_04.9819.C29.o1.np	Method	AAT/NAP
Start	1	End	4529
GI	5734709	Score	128
Exons	1..108, 872..1008, 3764..4173, 4339..4529		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	14067	Seq. ID	OJ990107_04.9819.C29
Gene No.	30048	Strand	-
Start	1	End	4529
Name	OJ990107_04.9819.C29.o1.gs	Method	GENSCAN
Start	780	End	4350
GI	none	Score	.55
Exons	780..916, 946..1083, 2200..2242, 3746..3865, 3911..4128, 4221..4350		
Seq. No.	14068	Seq. ID	OJ990107_04.9819.C30
Gene No.	30049	Strand	+
Start	850	End	1176
Name	OJ990107_04.9819.C30.o1.gs	Method	GENSCAN
Start	850	End	1176
GI	none	Score	.69
Exons	850..1176		
Seq. No.	14068	Seq. ID	OJ990107_04.9819.C30
Gene No.	30050	Strand	-
Start	1317	End	2447
Name	OJ990107_04.9819.C30.o2.gs	Method	GENSCAN
Start	1317	End	2447
GI	none	Score	.55
Exons	1317..1458, 2193..2269, 2367..2447		
Seq. No.	14069	Seq. ID	OJ990107_04.9819.C36
Gene No.	30051	Strand	+
Start	529	End	999
Name	OJ990107_04.9819.C36.o1.gs	Method	GENSCAN
Start	529	End	999
GI	none	Score	.56
Exons	529..630, 908..999		
Seq. No.	14070	Seq. ID	OJ990107_04.9819.C37
Gene No.	30052	Strand	-
Start	332	End	426
Name	OJ990107_04.9819.C37.o1.gs	Method	GENSCAN
Start	332	End	426
GI	none	Score	.53
Exons	332..426		
Seq. No.	14071	Seq. ID	OJ990107_04.9819.C38
Gene No.	30053	Strand	-
Start	895	End	1067
Name	OJ990107_04.9819.C38.o1.gs	Method	GENSCAN

Start	895	End	1067
GI	none	Score	.61
Exons	895..1067		

Seq. No.	14072	Seq. ID	OJ990107_04.9819.C39
Gene No.	30054	Strand	-
Start	1761	End	2377
Name	OJ990107_04.9819.C39.o1.gs	Method	GENSCAN
Start	1761	End	2375
GI	none	Score	.6
Exons	1761..2375		

Seq. No.	14072	Seq. ID	OJ990107_04.9819.C39
Gene No.	30054	Strand	-
Start	1761	End	2377
Name	OJ990107_04.9819.C39.o2.ts	Method	TBLASTX:Soybean
Start	1773	End	2014
GI	none	Score	85
Exons	1773..2012, 1797..1988, 1855..2013, 1858..2013, 1871..2014		

Seq. No.	14072	Seq. ID	OJ990107_04.9819.C39
Gene No.	30054	Strand	-
Start	1761	End	2377
Name	OJ990107_04.9819.C39.o1.tw	Method	TBLASTX:Wheat
Start	1923	End	2377
GI	none	Score	51
Exons	1923..2366, 1924..1995, 2023..2061, 2064..2372, 2158..2373, 2198..2377		

Seq. No.	14072	Seq. ID	OJ990107_04.9819.C39
Gene No.	30054	Strand	-
Start	1761	End	2377
Name	OJ990107_04.9819.C39.o1.ts	Method	TBLASTX:Soybean
Start	2025	End	2376
GI	none	Score	160
Exons	2025..2339, 2026..2340, 2337..2369, 2338..2376		

Seq. No.	14073	Seq. ID	OJ990107_04.9819.C40
Gene No.	30055	Strand	-
Start	792	End	1094
Name	OJ990107_04.9819.C40.o1.gs	Method	GENSCAN
Start	792	End	1094
GI	none	Score	.69
Exons	792..1094		

Seq. No.	14074	Seq. ID	OJ990107_04.9819.C41
Gene No.	30056	Strand	+
Start	825	End	3075
Name	OJ990107_04.9819.C41.o1.np	Method	AAT/NAP
Start	825	End	1510
GI	4416302	Score	194
Exons	825..1510		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	14074	Seq. ID	OJ990107_04.9819.C41
Gene No.	30056	Strand	+
Start	825	End	3075

Name	OJ990107_04.9819.C41.o2.tm	Method	TBLASTX:Maize
Start	837	End	1185
GI	none	Score	106
Exons	837..950, 838..951, 959..985, 986..1042, 987..1052, 1068..1172, 1072..1185, 1091..1183		

Seq. No.	14074	Seq. ID	OJ990107_04.9819.C41
Gene No.	30056	Strand	+
Start	825	End	3075
Name	OJ990107_04.9819.C41.o1.ts	Method	TBLASTX:Soybean
Start	1080	End	1437
GI	none	Score	116
Exons	1080..1232, 1090..1251, 1267..1437		

Seq. No.	14074	Seq. ID	OJ990107_04.9819.C41
Gene No.	30056	Strand	+
Start	825	End	3075
Name	OJ990107_04.9819.C41.o1.gs	Method	GENSCAN
Start	1228	End	3075
GI	none	Score	.94
Exons	1228..1378, 1440..1513, 1851..2073, 2185..2355, 2561..3075		

Seq. No.	14074	Seq. ID	OJ990107_04.9819.C41
Gene No.	30056	Strand	+
Start	825	End	3075
Name	OJ990107_04.9819.C41.o1.tm	Method	TBLASTX:Maize
Start	1255	End	1461
GI	none	Score	220
Exons	1255..1461, 1296..1436		

Seq. No.	14075	Seq. ID	OJ990107_04.9819.C43
Gene No.	30057	Strand	-
Start	819	End	955
Name	OJ990107_04.9819.C43.o1.gs	Method	GENSCAN
Start	819	End	955
GI	none	Score	.93
Exons	819..955		

Seq. No.	14076	Seq. ID	OJ990107_04.9819.C44
Gene No.	30058	Strand	+
Start	239	End	1519
Name	OJ990107_04.9819.C44.o1.gs	Method	GENSCAN
Start	239	End	1519
GI	none	Score	.56
Exons	239..269, 712..737, 1502..1519		

Seq. No.	14077	Seq. ID	OJ990107_04.9819.C47
Gene No.	30059	Strand	-
Start	541	End	3142
Name	OJ990107_04.9819.C47.o1.gs	Method	GENSCAN
Start	541	End	3142
GI	none	Score	.45
Exons	541..702, 2440..2573, 2575..2684, 3041..3142		

Seq. No.	14078	Seq. ID	OJ990107_04.9819.C48
Gene No.	30060	Strand	+
Start	1025	End	1362

Name	OJ990107_04.9819.C48.o1.gs	Method	GENSCAN
Start	1025	End	1362
GI	none	Score	.55
Exons	1025..1135, 1288..1362		

Seq. No.	14079	Seq. ID	OJ990107_04.9819.C49
Gene No.	30061	Strand	-
Start	28	End	209
Name	OJ990107_04.9819.C49.o1.gs	Method	GENSCAN
Start	28	End	209
GI	none	Score	.42
Exons	28..209		

Seq. No.	14080	Seq. ID	OJ990107_04.9819.C50
Gene No.	30062	Strand	-
Start	1020	End	1906
Name	OJ990107_04.9819.C50.o1.gs	Method	GENSCAN
Start	1020	End	1906
GI	none	Score	.53
Exons	1020..1103, 1892..1906		

Seq. No.	14081	Seq. ID	OJ990107_04.9819.C51
Gene No.	30063	Strand	+
Start	27	End	991
Name	OJ990107_04.9819.C51.o1.gs	Method	GENSCAN
Start	27	End	991
GI	none	Score	.89
Exons	27..54, 881..991		

Seq. No.	14082	Seq. ID	OJ990107_04.9819.C52
Gene No.	30064	Strand	+
Start	870	End	980
Name	OJ990107_04.9819.C52.o1.gs	Method	GENSCAN
Start	870	End	980
GI	none	Score	.51
Exons	870..980		

Seq. No.	14083	Seq. ID	OJ990107_04.9819.C53
Gene No.	30065	Strand	-
Start	284	End	948
Name	OJ990107_04.9819.C53.o1.gs	Method	GENSCAN
Start	284	End	948
GI	none	Score	.42
Exons	284..369, 811..834, 839..948		

Seq. No.	14084	Seq. ID	OJ990107_04.9819.C54
Gene No.	30066	Strand	+
Start	79	End	343
Name	OJ990107_04.9819.C54.o1.gs	Method	GENSCAN
Start	79	End	343
GI	none	Score	.98
Exons	79..343		

Seq. No.	14084	Seq. ID	OJ990107_04.9819.C54
Gene No.	30067	Strand	-
Start	384	End	1063
Name	OJ990107_04.9819.C54.o2.gs	Method	GENSCAN

Start	384	End	1063
GI	none	Score	.84
Exons	384..844, 952..1063		

Seq. No.	14085	Seq. ID	OJ990107_04.9819.C55
Gene No.	30068	Strand	-
Start	1	End	264
Name	OJ990107_04.9819.C55.o1.np	Method	AAT/NAP
Start	1	End	264
GI	2739373	Score	84
Exons	1..264		
GI Descrip.	(AC002505) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	14085	Seq. ID	OJ990107_04.9819.C55
Gene No.	30068	Strand	-
Start	1	End	264
Name	OJ990107_04.9819.C55.o1.tw	Method	TBLASTX:Wheat
Start	48	End	249
GI	none	Score	117
Exons	48..248, 52..249		

Seq. No.	14085	Seq. ID	OJ990107_04.9819.C55
Gene No.	30068	Strand	-
Start	1	End	264
Name	OJ990107_04.9819.C55.o1.gs	Method	GENSCAN
Start	60	End	230
GI	none	Score	.79
Exons	60..230		

Seq. No.	14086	Seq. ID	OJ990107_04.9819.C57
Gene No.	30069	Strand	+
Start	426	End	2696
Name	OJ990107_04.9819.C57.o1.gs	Method	GENSCAN
Start	426	End	2696
GI	none	Score	.8
Exons	426..612, 745..1291, 1353..1592, 1920..2009, 2590..2696		

Seq. No.	14086	Seq. ID	OJ990107_04.9819.C57
Gene No.	30070	Strand	-
Start	2984	End	3453
Name	OJ990107_04.9819.C57.o2.gs	Method	GENSCAN
Start	2984	End	3235
GI	none	Score	.48
Exons	2984..3235		

Seq. No.	14086	Seq. ID	OJ990107_04.9819.C57
Gene No.	30070	Strand	-
Start	2984	End	3453
Name	OJ990107_04.9819.C57.o1.np	Method	AAT/NAP
Start	2987	End	3453
GI	4206306	Score	290
Exons	2987..3453		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	14086	Seq. ID	OJ990107_04.9819.C57
Gene No.	30070	Strand	-
Start	2984	End	3453

Name	OJ990107_04.9819.C57.o1.tm	Method	TBLASTX:Maize
Start	3038	End	3283
GI	none	Score	87
Exons	3038..3283, 3063..3197		

Seq. No.	14087	Seq. ID	OJ990107_04.9819.C58
Gene No.	30071	Strand	+
Start	880	End	2252
Name	OJ990107_04.9819.C58.o1.gs	Method	GENSCAN
Start	880	End	2252
GI	none	Score	.55
Exons	880..1075, 1156..1344, 1798..2027, 2151..2252		

Seq. No.	14087	Seq. ID	OJ990107_04.9819.C58
Gene No.	30072	Strand	
Start	2906	End	3178
Name	OJ990107_04.9819.C58.o1.tw	Method	TBLASTX:Wheat
Start	2906	End	3178
GI	none	Score	160
Exons	2906..3097, 2961..3098, 2998..3108, 3110..3178, 3110..3148		

Seq. No.	14088	Seq. ID	OJ990107_04.9819.C59
Gene No.	30073	Strand	+
Start	465	End	1763
Name	OJ990107_04.9819.C59.o1.gs	Method	GENSCAN
Start	465	End	1763
GI	none	Score	.46
Exons	465..584, 1683..1763		

Seq. No.	14088	Seq. ID	OJ990107_04.9819.C59
Gene No.	30073	Strand	+
Start	465	End	1763
Name	OJ990107_04.9819.C59.o1.np	Method	AAT/NAP
Start	777	End	1181
GI	2462640	Score	492
Exons	777..1181		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	14088	Seq. ID	OJ990107_04.9819.C59
Gene No.	30073	Strand	+
Start	465	End	1763
Name	OJ990107_04.9819.C59.o1.tm	Method	TBLASTX:Maize
Start	813	End	1724
GI	none	Score	385
Exons	813..1586, 971..1000, 1046..1228, 1575..1724		

Seq. No.	14088	Seq. ID	OJ990107_04.9819.C59
Gene No.	30073	Strand	+
Start	465	End	1763
Name	OJ990107_04.9819.C59.o2.tw	Method	TBLASTX:Wheat
Start	930	End	1208
GI	none	Score	173
Exons	930..1208		

Seq. No.	14088	Seq. ID	OJ990107_04.9819.C59
Gene No.	30074	Strand	
Start	1725	End	2095

Name	OJ990107_04.9819.C59.o2.tm	Method	TBLASTX:Maize
Start	1725	End	2095
GI	none	Score	193
Exons	1725..1928, 1725..1928, 1923..1982, 1992..2084, 1997..2095		

Seq. No.	14088	Seq. ID	OJ990107_04.9819.C59
Gene No.	30074	Strand	
Start	1725	End	2095
Name	OJ990107_04.9819.C59.o1.tw	Method	TBLASTX:Wheat
Start	1763	End	2051
GI	none	Score	292
Exons	1763..2050, 1767..2051		

Seq. No.	14089	Seq. ID	OJ990107_04.9819.C60
Gene No.	30075	Strand	
Start	855	End	1059
Name	OJ990107_04.9819.C60.o1.tw	Method	TBLASTX:Wheat
Start	855	End	1059
GI	none	Score	102
Exons	855..965, 865..963, 970..1059, 971..1057		

Seq. No.	14089	Seq. ID	OJ990107_04.9819.C60
Gene No.	30075	Strand	
Start	855	End	1059
Name	OJ990107_04.9819.C60.o1.ts	Method	TBLASTX:Soybean
Start	864	End	1059
GI	none	Score	87
Exons	864..965, 874..960, 970..1059		

Seq. No.	14089	Seq. ID	OJ990107_04.9819.C60
Gene No.	30075	Strand	
Start	855	End	1059
Name	OJ990107_04.9819.C60.o1.tc	Method	TBLASTX:Cress
Start	866	End	1053
GI	none	Score	40
Exons	866..916, 867..965, 968..1051, 970..1053		

Seq. No.	14089	Seq. ID	OJ990107_04.9819.C60
Gene No.	30075	Strand	
Start	855	End	1059
Name	OJ990107_04.9819.C60.o1.tm	Method	TBLASTX:Maize
Start	867	End	1059
GI	none	Score	69
Exons	867..965, 871..966, 970..1059, 971..1057		

Seq. No.	14090	Seq. ID	OJ990107_04.9819.C61
Gene No.	30076	Strand	-
Start	1778	End	1878
Name	OJ990107_04.9819.C61.o1.gs	Method	GENSCAN
Start	1778	End	1878
GI	none	Score	.93
Exons	1778..1878		

Seq. No.	14091	Seq. ID	OJ990107_04.9819.C63
Gene No.	30077	Strand	+
Start	1	End	1585
Name	OJ990107_04.9819.C63.o1.np	Method	AAT/NAP

Start	1	End	1490
GI	4885183	Score	49
Exons	1..69, 893..971, 1276..1490		
GI Descrip.	diaphanous 1 gi|6225268|sp|O60610|DIA1_HUMAN DIAPHANOUS PROTEIN HOMOLOG 1 gi|2947238 (AF051782) diaphanous 1 [Homo sapiens]		

Seq. No.	14091	Seq. ID	OJ990107_04.9819.C63
Gene No.	30077	Strand	+
Start	1	End	1585
Name	OJ990107_04.9819.C63.o1.gs	Method	GENSCAN
Start	1028	End	1585
GI	none	Score	.8
Exons	1028..1585		

Seq. No.	14091	Seq. ID	OJ990107_04.9819.C63
Gene No.	30078	Strand	-
Start	728	End	2211
Name	OJ990107_04.9819.C63.o2.np	Method	AAT/NAP
Start	728	End	1815
GI	1350522	Score	57
Exons	728..861, 1697..1815		
GI Descrip.	(L47115) late embryogenesis abundant protein [Picea glauca]		

Seq. No.	14091	Seq. ID	OJ990107_04.9819.C63
Gene No.	30078	Strand	-
Start	728	End	2211
Name	OJ990107_04.9819.C63.o2.gs	Method	GENSCAN
Start	1695	End	2211
GI	none	Score	.65
Exons	1695..1864, 1963..2211		

Seq. No.	14092	Seq. ID	OJ990107_04.9819.C64
Gene No.	30079	Strand	+
Start	1735	End	2458
Name	OJ990107_04.9819.C64.o1.gs	Method	GENSCAN
Start	1735	End	2458
GI	none	Score	.49
Exons	1735..1749, 1985..2458		

Seq. No.	14093	Seq. ID	OJ990107_04.9819.C65
Gene No.	30080	Strand	-
Start	1	End	983
Name	OJ990107_04.9819.C65.o1.np	Method	AAT/NAP
Start	1	End	983
GI	4680203	Score	195
Exons	1..26, 606..983		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	14093	Seq. ID	OJ990107_04.9819.C65
Gene No.	30080	Strand	-
Start	1	End	983
Name	OJ990107_04.9819.C65.o1.tw	Method	TBLASTX:Wheat
Start	622	End	897
GI	none	Score	92
Exons	622..897, 665..775		

Seq. No.	14093	Seq. ID	OJ990107_04.9819.C65

Gene No.	30080	Strand	-
Start	1	End	983
Name	OJ990107_04.9819.C65.o1.ts	Method	TBLASTX:Soybean
Start	633	End	865
GI	none	Score	128
Exons	633..773, 634..864, 647..865		

Seq. No.	14094	Seq. ID	OJ990107_04.9819.C68
Gene No.	30081	Strand	-
Start	124	End	873
Name	OJ990107_04.9819.C68.o1.gs	Method	GENSCAN
Start	124	End	873
GI	none	Score	.55
Exons	124..629, 681..873		

Seq. No.	14095	Seq. ID	OJ990107_04.9819.C69
Gene No.	30082	Strand	-
Start	1844	End	3041
Name	OJ990107_04.9819.C69.o1.gs	Method	GENSCAN
Start	1844	End	3041
GI	none	Score	.44
Exons	1844..2238, 2720..3041		

Seq. No.	14095	Seq. ID	OJ990107_04.9819.C69
Gene No.	30083	Strand	-
Start	3047	End	3153
Name	OJ990107_04.9819.C69.o1.gp	Method	AAT/GAP
Start	3047	End	3153
GI	4879016	Score	159
Exons	3047..3153		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	14096	Seq. ID	OJ990107_04.9819.C70
Gene No.	30084	Strand	+
Start	1505	End	1604
Name	OJ990107_04.9819.C70.o1.gs	Method	GENSCAN
Start	1505	End	1604
GI	none	Score	.47
Exons	1505..1604		

Seq. No.	14097	Seq. ID	OJ990107_04.9819.C71
Gene No.	30085	Strand	-
Start	93	End	726
Name	OJ990107_04.9819.C71.o1.gs	Method	GENSCAN
Start	93	End	726
GI	none	Score	.65
Exons	93..726		

Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o1.np	Method	AAT/NAP
Start	1	End	2380
GI	4544372	Score	725
Exons	1..1254, 1360..1792, 1857..2380		

GI Descrip. (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o1.gs	Method	GENSCAN
Start	64	End	2351
GI	none	Score	.55
Exons	64..544, 677..865, 914..1186, 1583..1764, 2016..2351		

Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o4.tw	Method	TBLASTX:Wheat
Start	142	End	507
GI	none	Score	164
Exons	142..183, 238..507		

Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o2.ts	Method	TBLASTX:Soybean
Start	265	End	663
GI	none	Score	72
Exons	265..663, 446..559		

Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o2.tm	Method	TBLASTX:Maize
Start	286	End	666
GI	none	Score	78
Exons	286..510, 508..666		

Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o2.tw	Method	TBLASTX:Wheat
Start	1084	End	1482
GI	none	Score	78
Exons	1084..1353, 1106..1342, 1393..1482		

Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o1.ts	Method	TBLASTX:Soybean
Start	1115	End	1527
GI	none	Score	145
Exons	1115..1369, 1117..1368, 1390..1527, 1394..1525		

Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o3.ts	Method	TBLASTX:Soybean
Start	1705	End	2147
GI	none	Score	46

Exons	1705..1797, 1709..1786, 1861..2109, 1866..2147		
Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o1.tw	Method	TBLASTX:Wheat
Start	1827	End	2189
GI	none	Score	84
Exons	1827..2189, 1831..2145		
Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o1.tm	Method	TBLASTX:Maize
Start	1833	End	2294
GI	none	Score	205
Exons	1833..2294, 1834..2145, 2013..2294		
Seq. No.	14098	Seq. ID	OJ990107_04.9819.C72
Gene No.	30086	Strand	-
Start	1	End	2380
Name	OJ990107_04.9819.C72.o3.tw	Method	TBLASTX:Wheat
Start	2190	End	2350
GI	none	Score	113
Exons	2190..2342, 2191..2337, 2243..2350		
Seq. No.	14099	Seq. ID	OJ990107_04.9819.C74
Gene No.	30087	Strand	-
Start	1	End	372
Name	OJ990107_04.9819.C74.o1.np	Method	AAT/NAP
Start	1	End	372
GI	144312	Score	114
Exons	1..372		
GI Descrip.	(J01566) 13.8 kd ORF [Plasmid ColE1]		
Seq. No.	14100	Seq. ID	OJ990107_04.9819.C76
Gene No.	30088	Strand	-
Start	78	End	1539
Name	OJ990107_04.9819.C76.o1.gs	Method	GENSCAN
Start	78	End	1539
GI	none	Score	.54
Exons	78..426, 855..1136, 1272..1539		
Seq. No.	14101	Seq. ID	OJ990107_04.9819.C77
Gene No.	30089	Strand	-
Start	1440	End	1692
Name	OJ990107_04.9819.C77.o1.gs	Method	GENSCAN
Start	1440	End	1692
GI	none	Score	.77
Exons	1440..1692		
Seq. No.	14102	Seq. ID	OJ990107_04.9819.C78
Gene No.	30090	Strand	+
Start	305	End	970
Name	OJ990107_04.9819.C78.o1.gs	Method	GENSCAN
Start	305	End	970
GI	none	Score	.93

Exons	305..970		
Seq. No.	14103	Seq. ID	OJ990107_04.9819.C79
Gene No.	30091	Strand	-
Start	131	End	1642
Name	OJ990107_04.9819.C79.o1.gs	Method	GENSCAN
Start	131	End	1642
GI	none	Score	.85
Exons	131..166, 740..914, 1091..1150, 1307..1642		
Seq. No.	14104	Seq. ID	OJ990107_04.9819.C80
Gene No.	30092	Strand	+
Start	1	End	2084
Name	OJ990107_04.9819.C80.o1.np	Method	AAT/NAP
Start	1	End	2084
GI	6721517	Score	2024
Exons	1..1911, 2041..2084		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		
Seq. No.	14104	Seq. ID	OJ990107_04.9819.C80
Gene No.	30092	Strand	+
Start	1	End	2084
Name	OJ990107_04.9819.C80.o1.gs	Method	GENSCAN
Start	701	End	1681
GI	none	Score	.56
Exons	701..1681		
Seq. No.	14104	Seq. ID	OJ990107_04.9819.C80
Gene No.	30092	Strand	+
Start	1	End	2084
Name	OJ990107_04.9819.C80.o1.tw	Method	TBLASTX:Wheat
Start	727	End	1213
GI	none	Score	528
Exons	727..1170, 731..1213		
Seq. No.	14104	Seq. ID	OJ990107_04.9819.C80
Gene No.	30092	Strand	+
Start	1	End	2084
Name	OJ990107_04.9819.C80.o1.tm	Method	TBLASTX:Maize
Start	796	End	1267
GI	none	Score	383
Exons	796..1041, 800..1267, 836..1234		
Seq. No.	14104	Seq. ID	OJ990107_04.9819.C80
Gene No.	30092	Strand	+
Start	1	End	2084
Name	OJ990107_04.9819.C80.o2.ts	Method	TBLASTX:Soybean
Start	800	End	1081
GI	none	Score	181
Exons	800..1081, 883..1080		
Seq. No.	14104	Seq. ID	OJ990107_04.9819.C80
Gene No.	30092	Strand	+
Start	1	End	2084
Name	OJ990107_04.9819.C80.o1.ts	Method	TBLASTX:Soybean
Start	1154	End	1549
GI	none	Score	57

Exons	1154..1186, 1154..1198, 1190..1549, 1191..1331, 1306..1548		
Seq. No.	14104	Seq. ID	OJ990107_04.9819.C80
Gene No.	30092	Strand	+
Start	1	End	2084
Name	OJ990107_04.9819.C80.o2.tw	Method	TBLASTX:Wheat
Start	1262	End	1648
GI	none	Score	501
Exons	1262..1648, 1300..1641		
Seq. No.	14104	Seq. ID	OJ990107_04.9819.C80
Gene No.	30092	Strand	+
Start	1	End	2084
Name	OJ990107_04.9819.C80.o2.tm	Method	TBLASTX:Maize
Start	1283	End	1648
GI	none	Score	333
Exons	1283..1648, 1294..1554		
Seq. No.	14105	Seq. ID	OJ990107_04.9819.C81
Gene No.	30093	Strand	-
Start	424	End	1961
Name	OJ990107_04.9819.C81.o1.gs	Method	GENSCAN
Start	424	End	1961
GI	none	Score	.77
Exons	424..489, 513..909, 949..1123, 1871..1961		
Seq. No.	14106	Seq. ID	OJ990107_04.9819.C83
Gene No.	30094	Strand	+
Start	941	End	1321
Name	OJ990107_04.9819.C83.o1.gs	Method	GENSCAN
Start	941	End	1255
GI	none	Score	.77
Exons	941..1255		
Seq. No.	14106	Seq. ID	OJ990107_04.9819.C83
Gene No.	30094	Strand	+
Start	941	End	1321
Name	OJ990107_04.9819.C83.o1.tw	Method	TBLASTX:Wheat
Start	1046	End	1321
GI	none	Score	188
Exons	1046..1321, 1168..1278		
Seq. No.	14106	Seq. ID	OJ990107_04.9819.C83
Gene No.	30094	Strand	+
Start	941	End	1321
Name	OJ990107_04.9819.C83.o1.ts	Method	TBLASTX:Soybean
Start	1078	End	1310
GI	none	Score	217
Exons	1078..1296, 1079..1309, 1170..1310		
Seq. No.	14107	Seq. ID	OJ990107_04.9819.C85
Gene No.	30095	Strand	+
Start	195	End	368
Name	OJ990107_04.9819.C85.o1.gs	Method	GENSCAN
Start	195	End	368
GI	none	Score	.71
Exons	195..368		

Seq. No.	14108	Seq. ID	OJ990107_04.9819.C89
Gene No.	30096	Strand	-
Start	1131	End	1241
Name	OJ990107_04.9819.C89.o1.gs	Method	GENSCAN
Start	1131	End	1241
GI	none	Score	.82
Exons	1131..1241		

Seq. No.	14109	Seq. ID	OJ990107_04.9819.C90
Gene No.	30097	Strand	+
Start	775	End	853
Name	OJ990107_04.9819.C90.o1.gs	Method	GENSCAN
Start	775	End	853
GI	none	Score	.93
Exons	775..853		

Seq. No.	14109	Seq. ID	OJ990107_04.9819.C90
Gene No.	30098	Strand	
Start	770	End	1119
Name	OJ990107_04.9819.C90.o1.tm	Method	TBLASTX:Maize
Start	770	End	1119
GI	none	Score	182
Exons	770..1051, 771..1031, 1051..1119		

Seq. No.	14109	Seq. ID	OJ990107_04.9819.C90
Gene No.	30098	Strand	
Start	770	End	1119
Name	OJ990107_04.9819.C90.o1.tw	Method	TBLASTX:Wheat
Start	778	End	1054
GI	none	Score	56
Exons	778..918, 784..1029, 785..1054, 786..1040		

Seq. No.	14110	Seq. ID	OJ990107_04.9819.C92
Gene No.	30099	Strand	+
Start	759	End	1087
Name	OJ990107_04.9819.C92.o1.tm	Method	TBLASTX:Maize
Start	757	End	1087
GI	none	Score	190
Exons	757..1002, 758..1003, 1033..1083, 1034..1087		

Seq. No.	14110	Seq. ID	OJ990107_04.9819.C92
Gene No.	30099	Strand	+
Start	759	End	1087
Name	OJ990107_04.9819.C92.o1.gs	Method	GENSCAN
Start	759	End	1050
GI	none	Score	.89
Exons	759..1050		

Seq. No.	14110	Seq. ID	OJ990107_04.9819.C92
Gene No.	30099	Strand	+
Start	759	End	1087
Name	OJ990107_04.9819.C92.o1.tw	Method	TBLASTX:Wheat
Start	797	End	1087
GI	none	Score	155
Exons	797..1003, 799..1002, 1034..1087		

Seq. No.	14111	Seq. ID	OJ990107_04.9819.C93
Gene No.	30100	Strand	+
Start	948	End	1090
Name	OJ990107_04.9819.C93.o1.gs	Method	GENSCAN
Start	948	End	1090
GI	none	Score	.4
Exons	948..1090		

Seq. No.	14112	Seq. ID	OJ990107_04.9819.C96
Gene No.	30101	Strand	+
Start	1	End	1513
Name	OJ990107_04.9819.C96.o1.np	Method	AAT/NAP
Start	1	End	1513
GI	6721517	Score	149
Exons	1..41, 228..386, 1487..1513		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	14112	Seq. ID	OJ990107_04.9819.C96
Gene No.	30101	Strand	+
Start	1	End	1513
Name	OJ990107_04.9819.C96.o1.gs	Method	GENSCAN
Start	250	End	1028
GI	none	Score	.73
Exons	250..377, 585..1028		

Seq. No.	14113	Seq. ID	OJ990107_04.9819.C102
Gene No.	30102	Strand	+
Start	223	End	481
Name	OJ990107_04.9819.C102.o1.gs	Method	GENSCAN
Start	223	End	481
GI	none	Score	.67
Exons	223..324, 416..481		

Seq. No.	14114	Seq. ID	OJ990107_04.9819.C103
Gene No.	30103	Strand	-
Start	17	End	973
Name	OJ990107_04.9819.C103.o1.gs	Method	GENSCAN
Start	17	End	973
GI	none	Score	.83
Exons	17..137, 932..973		

Seq. No.	14115	Seq. ID	OJ990107_04.9819.C106
Gene No.	30104	Strand	+
Start	621	End	860
Name	OJ990107_04.9819.C106.o1.gs	Method	GENSCAN
Start	621	End	860
GI	none	Score	.86
Exons	621..860		

Seq. No.	14116	Seq. ID	OJ990107_04.9819.C108
Gene No.	30105	Strand	-
Start	155	End	244
Name	OJ990107_04.9819.C108.o1.gs	Method	GENSCAN
Start	155	End	244
GI	none	Score	.83
Exons	155..244		

Seq. No.	14117	Seq. ID	OJ990107_04.9819.C111
Gene No.	30106	Strand	-
Start	2095	End	2747
Name	OJ990107_04.9819.C111.o1.gs	Method	GENSCAN
Start	2095	End	2747
GI	none	Score	.5
Exons	2095..2208, 2616..2747		

Seq. No.	14118	Seq. ID	OJ990107_04.9819.C114
Gene No.	30107	Strand	+
Start	1	End	656
Name	OJ990107_04.9819.C114.o1.np	Method	AAT/NAP
Start	1	End	656
GI	6006874	Score	299
Exons	1..656		
GI Descrip.	(AC008153) putative UDP-glucuronosyltransferase, 5' partial [Arabidopsis thaliana]		

Seq. No.	14118	Seq. ID	OJ990107_04.9819.C114
Gene No.	30108	Strand	-
Start	2004	End	2979
Name	OJ990107_04.9819.C114.o1.tw	Method	TBLASTX:Wheat
Start	233	End	494
GI	none	Score	59
Exons	233..322, 305..469, 306..494		

Seq. No.	14118	Seq. ID	OJ990107_04.9819.C114
Gene No.	30108	Strand	-
Start	2004	End	2979
Name	OJ990107_04.9819.C114.o1.tm	Method	TBLASTX:Maize
Start	236	End	470
GI	none	Score	68
Exons	236..322, 297..470, 305..460		

Seq. No.	14118	Seq. ID	OJ990107_04.9819.C114
Gene No.	30108	Strand	-
Start	2004	End	2979
Name	OJ990107_04.9819.C114.o1.ts	Method	TBLASTX:Soybean
Start	236	End	473
GI	none	Score	65
Exons	236..322, 297..473, 323..463		

Seq. No.	14118	Seq. ID	OJ990107_04.9819.C114
Gene No.	30108	Strand	-
Start	2004	End	2979
Name	OJ990107_04.9819.C114.o1.gs	Method	GENSCAN
Start	2004	End	2979
GI	none	Score	.68
Exons	2004..2208, 2918..2979		

Seq. No.	14119	Seq. ID	OJ990107_04.9819.C115
Gene No.	30109	Strand	+
Start	1	End	1196
Name	OJ990107_04.9819.C115.o1.np	Method	AAT/NAP
Start	1	End	1196
GI	6691193	Score	234
Exons	1..51, 933..1196		

GI Descrip. (AC007534) F7F22.17 [Arabidopsis thaliana]

Seq. No.	14119	Seq. ID	OJ990107_04.9819.C115
Gene No.	30109	Strand	+
Start	1	End	1196
Name	OJ990107_04.9819.C115.o1.gs	Method	GENSCAN
Start	361	End	1094
GI	none	Score	.86
Exons	361..501, 544..651, 945..1094		

Seq. No.	14119	Seq. ID	OJ990107_04.9819.C115
Gene No.	30109	Strand	+
Start	1	End	1196
Name	OJ990107_04.9819.C115.o1.tw	Method	TBLASTX:Wheat
Start	943	End	1160
GI	none	Score	52
Exons	943..1122, 947..1159, 954..1160		

Seq. No.	14119	Seq. ID	OJ990107_04.9819.C115
Gene No.	30109	Strand	+
Start	1	End	1196
Name	OJ990107_04.9819.C115.o1.ts	Method	TBLASTX:Soybean
Start	944	End	1160
GI	none	Score	193
Exons	944..1150, 951..1160		

Seq. No.	14120	Seq. ID	OJ990107_04.9819.C116
Gene No.	30110	Strand	-
Start	339	End	1146
Name	OJ990107_04.9819.C116.o1.gs	Method	GENSCAN
Start	339	End	1146
GI	none	Score	.76
Exons	339..445, 1026..1146		

Seq. No.	14121	Seq. ID	OJ990107_04.9819.C118
Gene No.	30111	Strand	-
Start	522	End	958
Name	OJ990107_04.9819.C118.o1.gs	Method	GENSCAN
Start	522	End	958
GI	none	Score	.58
Exons	522..605, 911..958		

Seq. No.	14122	Seq. ID	OJ990107_04.9819.C119
Gene No.	30112	Strand	-
Start	724	End	823
Name	OJ990107_04.9819.C119.o1.gs	Method	GENSCAN
Start	724	End	823
GI	none	Score	.52
Exons	724..823		

Seq. No.	14123	Seq. ID	OJ990107_04.9819.C123
Gene No.	30113	Strand	-
Start	419	End	1372
Name	OJ990107_04.9819.C123.o1.np	Method	AAT/NAP
Start	419	End	1372
GI	6721517	Score	622
Exons	419..1372		

GI Descrip. (AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]

Seq. No.	14123	Seq. ID	OJ990107_04.9819.C123
Gene No.	30113	Strand	-
Start	419	End	1372
Name	OJ990107_04.9819.C123.o1.tm	Method	TBLASTX:Maize
Start	680	End	1033
GI	none	Score	124
Exons	680..1033, 740..991, 765..1031		

Seq. No.	14123	Seq. ID	OJ990107_04.9819.C123
Gene No.	30113	Strand	-
Start	419	End	1372
Name	OJ990107_04.9819.C123.o1.tw	Method	TBLASTX:Wheat
Start	680	End	1033
GI	none	Score	239
Exons	680..1033, 686..1027, 762..1028		

Seq. No.	14123	Seq. ID	OJ990107_04.9819.C123
Gene No.	30113	Strand	-
Start	419	End	1372
Name	OJ990107_04.9819.C123.o1.gs	Method	GENSCAN
Start	836	End	979
GI	none	Score	.5
Exons	836..979		

Seq. No.	14124	Seq. ID	OJ990107_04.9819.C125
Gene No.	30114	Strand	-
Start	907	End	976
Name	OJ990107_04.9819.C125.o1.gs	Method	GENSCAN
Start	907	End	976
GI	none	Score	.43
Exons	907..976		

Seq. No.	14125	Seq. ID	OJ990107_04.9819.C127
Gene No.	30115	Strand	-
Start	839	End	930
Name	OJ990107_04.9819.C127.o1.gs	Method	GENSCAN
Start	839	End	930
GI	none	Score	.78
Exons	839..930		

Seq. No.	14126	Seq. ID	OJ990107_04.9819.C128
Gene No.	30116	Strand	-
Start	336	End	1836
Name	OJ990107_04.9819.C128.o1.np	Method	AAT/NAP
Start	336	End	1836
GI	6721517	Score	600
Exons	336..1241, 1783..1836		

GI Descrip. (AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]

Seq. No.	14126	Seq. ID	OJ990107_04.9819.C128
Gene No.	30116	Strand	-
Start	336	End	1836
Name	OJ990107_04.9819.C128.o1.tm	Method	TBLASTX:Maize
Start	741	End	1121
GI	none	Score	38

Exons	741..860, 761..823, 832..996, 837..1121		
Seq. No.	14126	Seq. ID	OJ990107_04.9819.C128
Gene No.	30116	Strand	-
Start	336	End	1836
Name	OJ990107_04.9819.C128.o1.tw	Method	TBLASTX:Wheat
Start	741	End	1034
GI	none	Score	194
Exons	741..1034, 775..996		
Seq. No.	14126	Seq. ID	OJ990107_04.9819.C128
Gene No.	30116	Strand	-
Start	336	End	1836
Name	OJ990107_04.9819.C128.o1.ts	Method	TBLASTX:Soybean
Start	747	End	1106
GI	none	Score	131
Exons	747..1106, 775..990, 965..1105		
Seq. No.	14126	Seq. ID	OJ990107_04.9819.C128
Gene No.	30116	Strand	-
Start	336	End	1836
Name	OJ990107_04.9819.C128.o1.gs	Method	GENSCAN
Start	751	End	1115
GI	none	Score	.88
Exons	751..1115		
Seq. No.	14127	Seq. ID	OJ990107_01.9819.C2
Gene No.	30117	Strand	-
Start	212	End	1441
Name	OJ990107_01.9819.C2.o1.gs	Method	GENSCAN
Start	212	End	1330
GI	none	Score	.66
Exons	212..267, 955..1065, 1291..1330		
Seq. No.	14127	Seq. ID	OJ990107_01.9819.C2
Gene No.	30117	Strand	-
Start	212	End	1441
Name	OJ990107_01.9819.C2.o1.gp	Method	AAT/GAP
Start	576	End	1441
GI	2280890	Score	677
Exons	576..691, 955..1065, 1291..1441		
Seq. No.	14127	Seq. ID	OJ990107_01.9819.C2
Gene No.	30118	Strand	-
Start	2941	End	3607
Name	OJ990107_01.9819.C2.o2.gs	Method	GENSCAN
Start	2941	End	3607
GI	none	Score	.97
Exons	2941..3084, 3422..3607		
Seq. No.	14128	Seq. ID	OJ990107_01.9819.C4
Gene No.	30119	Strand	+
Start	148	End	513
Name	OJ990107_01.9819.C4.o1.gs	Method	GENSCAN
Start	148	End	513
GI	none	Score	.71
Exons	148..513		

Seq. No.	14128	Seq. ID	OJ990107_01.9819.C4
Gene No.	30120	Strand	-
Start	439	End	705
Name	OJ990107_01.9819.C4.o1.gp	Method	AAT/GAP
Start	439	End	705
GI	none	Score	255
Exons	439..540, 613..705		

Seq. No.	14129	Seq. ID	OJ990107_01.9819.C6
Gene No.	30121	Strand	+
Start	1024	End	1251
Name	OJ990107_01.9819.C6.o1.gs	Method	GENSCAN
Start	1024	End	1251
GI	none	Score	.98
Exons	1024..1251		

Seq. No.	14129	Seq. ID	OJ990107_01.9819.C6
Gene No.	30122	Strand	-
Start	1979	End	2098
Name	OJ990107_01.9819.C6.o2.gs	Method	GENSCAN
Start	1979	End	2098
GI	none	Score	.87
Exons	1979..2098		

Seq. No.	14130	Seq. ID	OJ990107_01.9819.C7
Gene No.	30123	Strand	+
Start	292	End	612
Name	OJ990107_01.9819.C7.o1.gs	Method	GENSCAN
Start	292	End	612
GI	none	Score	.71
Exons	292..612		

Seq. No.	14131	Seq. ID	OJ990107_01.9819.C8
Gene No.	30124	Strand	-
Start	777	End	946
Name	OJ990107_01.9819.C8.o1.gs	Method	GENSCAN
Start	777	End	946
GI	none	Score	.65
Exons	777..946		

Seq. No.	14132	Seq. ID	OJ990107_01.9819.C10
Gene No.	30125	Strand	+
Start	394	End	3210
Name	OJ990107_01.9819.C10.o1.gs	Method	GENSCAN
Start	394	End	3210
GI	none	Score	.52
Exons	394..589, 2090..2175, 2641..2759, 3071..3210		

Seq. No.	14133	Seq. ID	OJ990107_01.9819.C11
Gene No.	30126	Strand	-
Start	197	End	1586
Name	OJ990107_01.9819.C11.o1.gs	Method	GENSCAN
Start	197	End	1586
GI	none	Score	.43
Exons	197..419, 501..532, 829..865, 1530..1586		

Seq. No.	14134	Seq. ID	OJ990107_01.9819.C12
Gene No.	30127	Strand	-
Start	1	End	773
Name	OJ990107_01.9819.C12.o1.gp	Method	AAT/GAP
Start	1	End	382
GI	68224_1.R1084	Score	611
Exons	1..382		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	14134	Seq. ID	OJ990107_01.9819.C12
Gene No.	30127	Strand	-
Start	1	End	773
Name	OJ990107_01.9819.C12.o1.gs	Method	GENSCAN
Start	244	End	765
GI	none	Score	.68
Exons	244..765		

Seq. No.	14134	Seq. ID	OJ990107_01.9819.C12
Gene No.	30127	Strand	-
Start	1	End	773
Name	OJ990107_01.9819.C12.o1.np	Method	AAT/NAP
Start	247	End	765
GI	4097340	Score	652
Exons	247..765		
GI Descrip.	(U57639) hydrophobic LEA-like protein [Oryza sativa]		

Seq. No.	14134	Seq. ID	OJ990107_01.9819.C12
Gene No.	30127	Strand	-
Start	1	End	773
Name	OJ990107_01.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	313	End	768
GI	none	Score	86
Exons	313..768, 341..463, 554..766		

Seq. No.	14134	Seq. ID	OJ990107_01.9819.C12
Gene No.	30127	Strand	-
Start	1	End	773
Name	OJ990107_01.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	325	End	773
GI	none	Score	446
Exons	325..765, 335..766, 678..773		

Seq. No.	14134	Seq. ID	OJ990107_01.9819.C12
Gene No.	30127	Strand	-
Start	1	End	773
Name	OJ990107_01.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	415	End	757
GI	none	Score	49
Exons	415..756, 419..463, 548..757		

Seq. No.	14135	Seq. ID	OJ990107_01.9819.C15
Gene No.	30128	Strand	+
Start	1	End	2025
Name	OJ990107_01.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	2025
GI	5852175	Score	49

Exons	1..196, 1023..1217, 1958..2025		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	14136	Seq. ID	OJ990107_01.9819.C16
Gene No.	30129	Strand	+
Start	1059	End	2756
Name	OJ990107_01.9819.C16.o1.gs	Method	GENSCAN
Start	1059	End	2214
GI	none	Score	.5
Exons	1059..1123, 1953..2214		
Seq. No.	14136	Seq. ID	OJ990107_01.9819.C16
Gene No.	30129	Strand	+
Start	1059	End	2756
Name	OJ990107_01.9819.C16.o2.np	Method	AAT/NAP
Start	1191	End	2756
GI	6721561	Score	135
Exons	1191..1281, 2681..2756		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	14136	Seq. ID	OJ990107_01.9819.C16
Gene No.	30129	Strand	+
Start	1059	End	2756
Name	OJ990107_01.9819.C16.o1.gp	Method	AAT/GAP
Start	1743	End	1835
GI	uC-osflcyp088b12b1	Score	131
Exons	1743..1835		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	14136	Seq. ID	OJ990107_01.9819.C16
Gene No.	30130	Strand	-
Start	1069	End	1158
Name	OJ990107_01.9819.C16.o1.np	Method	AAT/NAP
Start	1069	End	1158
GI	4680183	Score	128
Exons	1069..1158		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	14137	Seq. ID	OJ990107_01.9819.C17
Gene No.	30131	Strand	+
Start	1297	End	1489
Name	OJ990107_01.9819.C17.o1.gs	Method	GENSCAN
Start	1297	End	1489
GI	none	Score	.9
Exons	1297..1489		
Seq. No.	14138	Seq. ID	OJ990107_01.9819.C18
Gene No.	30132	Strand	+
Start	707	End	1016
Name	OJ990107_01.9819.C18.o1.gs	Method	GENSCAN
Start	707	End	1016
GI	none	Score	.8

Exons	707..726, 927..1016		
Seq. No.	14138	Seq. ID	OJ990107_01.9819.C18
Gene No.	30133	Strand	-
Start	461	End	632
Name	OJ990107_01.9819.C18.o1.np	Method	AAT/NAP
Start	461	End	632
GI	6063554	Score	107
Exons	461..632		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	14139	Seq. ID	OJ990107_01.9819.C19
Gene No.	30134	Strand	+
Start	35	End	226
Name	OJ990107_01.9819.C19.o1.gs	Method	GENSCAN
Start	35	End	226
GI	none	Score	.69
Exons	35..226		
Seq. No.	14140	Seq. ID	OJ990107_01.9819.C20
Gene No.	30135	Strand	+
Start	222	End	752
Name	OJ990107_01.9819.C20.o1.gs	Method	GENSCAN
Start	222	End	752
GI	none	Score	.74
Exons	222..364, 718..752		
Seq. No.	14141	Seq. ID	OJ990107_01.9819.C21
Gene No.	30136	Strand	-
Start	1	End	886
Name	OJ990107_01.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	886
GI	2760331	Score	319
Exons	1..570, 659..886		
GI Descrip.	(AC002130) F1N21.16 [Arabidopsis thaliana]		
Seq. No.	14141	Seq. ID	OJ990107_01.9819.C21
Gene No.	30136	Strand	-
Start	1	End	886
Name	OJ990107_01.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	125	End	306
GI	none	Score	60
Exons	125..244, 125..244, 127..306, 133..294		
Seq. No.	14141	Seq. ID	OJ990107_01.9819.C21
Gene No.	30136	Strand	-
Start	1	End	886
Name	OJ990107_01.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	145	End	534
GI	none	Score	73
Exons	145..534, 238..351		
Seq. No.	14142	Seq. ID	OJ990107_01.9819.C23
Gene No.	30137	Strand	-
Start	423	End	682

Name	OJ990107_01.9819.C23.o1.gs	Method	GENSCAN
Start	423	End	682
GI	none	Score	.46
Exons	423..682		

Seq. No.	14143	Seq. ID	OJ990107_01.9819.C24
Gene No.	30138	Strand	+
Start	1	End	2191
Name	OJ990107_01.9819.C24.o2.np	Method	AAT/NAP
Start	1	End	2146
GI	6721550	Score	176
Exons	1..85, 377..912, 1048..1197, 1422..1645, 1982..2146		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	14143	Seq. ID	OJ990107_01.9819.C24
Gene No.	30138	Strand	+
Start	1	End	2191
Name	OJ990107_01.9819.C24.o1.gs	Method	GENSCAN
Start	393	End	2191
GI	none	Score	.67
Exons	393..1067, 1232..2191		

Seq. No.	14144	Seq. ID	OJ990107_01.9819.C25
Gene No.	30139	Strand	-
Start	886	End	1140
Name	OJ990107_01.9819.C25.o1.gs	Method	GENSCAN
Start	886	End	1140
GI	none	Score	.62
Exons	886..996, 1087..1140		

Seq. No.	14145	Seq. ID	OJ990107_01.9819.C26
Gene No.	30140	Strand	-
Start	12	End	588
Name	OJ990107_01.9819.C26.o1.np	Method	AAT/NAP
Start	12	End	225
GI	586580	Score	85
Exons	12..225		
GI Descrip.	KIL PROTEIN gi|1742222|dbj|BAA14955| (D90774) ORF_ID:o263#4; similar to [SwissProt Accession Number P38393] [Escherichia coli]		

Seq. No.	14145	Seq. ID	OJ990107_01.9819.C26
Gene No.	30140	Strand	-
Start	12	End	588
Name	OJ990107_01.9819.C26.o1.gs	Method	GENSCAN
Start	61	End	588
GI	none	Score	.68
Exons	61..183, 231..387, 416..588		

Seq. No.	14146	Seq. ID	OJ990107_01.9819.C28
Gene No.	30141	Strand	-
Start	526	End	1731
Name	OJ990107_01.9819.C28.o1.gs	Method	GENSCAN
Start	526	End	1731
GI	none	Score	.5
Exons	526..1731		

Seq. No.	14147	Seq. ID	OJ990107_01.9819.C30
Gene No.	30142	Strand	+
Start	1444	End	1578
Name	OJ990107_01.9819.C30.o1.gs	Method	GENSCAN
Start	1444	End	1578
GI	none	Score	.63
Exons	1444..1578		

Seq. No.	14148	Seq. ID	OJ990107_01.9819.C31
Gene No.	30143	Strand	-
Start	93	End	1589
Name	OJ990107_01.9819.C31.o1.gs	Method	GENSCAN
Start	93	End	1273
GI	none	Score	.49
Exons	93..317, 1203..1273		

Seq. No.	14148	Seq. ID	OJ990107_01.9819.C31
Gene No.	30143	Strand	-
Start	93	End	1589
Name	OJ990107_01.9819.C31.o1.np	Method	AAT/NAP
Start	637	End	1589
GI	5852084	Score	75
Exons	637..726, 1547..1589		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	14149	Seq. ID	OJ990107_01.9819.C33
Gene No.	30144	Strand	+
Start	1	End	3649
Name	OJ990107_01.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	3649
GI	6553902	Score	1585
Exons	1..69, 178..382, 1159..1629, 2738..3649		
GI Descrip.	(AC012563) putative golgi transport complex protein [Arabidopsis thaliana]		

Seq. No.	14149	Seq. ID	OJ990107_01.9819.C33
Gene No.	30145	Strand	+
Start	4809	End	5214
Name	OJ990107_01.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	1183	End	1638
GI	none	Score	188
Exons	1183..1311, 1185..1322, 1185..1307, 1298..1483, 1306..1482, 1329..1484, 1484..1510, 1506..1622, 1507..1638		

Seq. No.	14149	Seq. ID	OJ990107_01.9819.C33
Gene No.	30145	Strand	+
Start	4809	End	5214
Name	OJ990107_01.9819.C33.o2.tm	Method	TBLASTX:Maize
Start	1188	End	1450
GI	none	Score	114
Exons	1188..1307, 1200..1310, 1201..1311, 1289..1450, 1307..1450		

Seq. No.	14149	Seq. ID	OJ990107_01.9819.C33
Gene No.	30145	Strand	+
Start	4809	End	5214
Name	OJ990107_01.9819.C33.o2.tc	Method	TBLASTX:Cress
Start	1507	End	3019

GI	none	Score	98
Exons	1507..1638, 2722..3003, 2726..3019		

Seq. No.	14149	Seq. ID	OJ990107_01.9819.C33
Gene No.	30145	Strand	+
Start	4809	End	5214
Name	OJ990107_01.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	2849	End	3408
GI	none	Score	718
Exons	2849..3406, 2849..3001, 2854..3408, 2854..3408		

Seq. No.	14149	Seq. ID	OJ990107_01.9819.C33
Gene No.	30145	Strand	+
Start	4809	End	5214
Name	OJ990107_01.9819.C33.o1.tc	Method	TBLASTX:Cress
Start	3451	End	3640
GI	none	Score	283
Exons	3451..3627, 3452..3640		

Seq. No.	14149	Seq. ID	OJ990107_01.9819.C33
Gene No.	30145	Strand	+
Start	4809	End	5214
Name	OJ990107_01.9819.C33.o3.tm	Method	TBLASTX:Maize
Start	3515	End	3779
GI	none	Score	211
Exons	3515..3640, 3519..3644, 3520..3645, 3693..3779, 3694..3762		

Seq. No.	14149	Seq. ID	OJ990107_01.9819.C33
Gene No.	30145	Strand	+
Start	4809	End	5214
Name	OJ990107_01.9819.C33.o2.gs	Method	GENSCAN
Start	4809	End	5214
GI	none	Score	.97
Exons	4809..5001, 5081..5214		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30146	Strand	-
Start	339	End	698
Name	OJ990107_01.9819.C36.o1.gs	Method	GENSCAN
Start	339	End	698
GI	none	Score	.99
Exons	339..698		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o6.tm	Method	TBLASTX:Maize
Start	312	End	552
GI	none	Score	68
Exons	312..551, 321..449, 481..552		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o1.np	Method	AAT/NAP
Start	1425	End	5055
GI	4512618	Score	1441

Exons	1425..1456, 2566..4272, 4423..5055		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		
Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o2.gs	Method	GENSCAN
Start	1730	End	4981
GI	none	Score	.9
Exons	1730..1794, 2594..2792, 2798..3025, 3057..3327, 3350..3660, 3727..4408, 4413..4549, 4889..4981		
Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o4.tw	Method	TBLASTX:Wheat
Start	2542	End	2771
GI	none	Score	99
Exons	2542..2754, 2568..2771		
Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o4.tm	Method	TBLASTX:Maize
Start	2601	End	2926
GI	none	Score	64
Exons	2601..2627, 2634..2753, 2643..2750, 2759..2926, 2771..2926		
Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o1.ts	Method	TBLASTX:Soybean
Start	2637	End	3230
GI	none	Score	61
Exons	2637..2753, 2759..3004, 2916..2999, 3009..3047, 3010..3036, 3096..3230, 3112..3225		
Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o2.tm	Method	TBLASTX:Maize
Start	2927	End	3308
GI	none	Score	77
Exons	2927..3007, 2943..3008, 3003..3308, 3007..3057, 3094..3231		
Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o3.tw	Method	TBLASTX:Wheat
Start	3006	End	3372
GI	none	Score	50
Exons	3006..3254, 3007..3054, 3100..3288, 3307..3372		
Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-

Start	1425	End	5055
Name	OJ990107_01.9819.C36.o3.tc	Method	TBLASTX:Cress
Start	3307	End	3537
GI	none	Score	180
Exons	3307..3537		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	3350	End	3796
GI	none	Score	105
Exons	3350..3493, 3352..3795, 3608..3796		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	3382	End	3927
GI	none	Score	128
Exons	3382..3597, 3583..3927, 3587..3769		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o2.ts	Method	TBLASTX:Soybean
Start	3598	End	4086
GI	5509260	Score	375
Exons	3598..4086		
GI Descrip.	-		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o2.tc	Method	TBLASTX:Cress
Start	3709	End	3984
GI	none	Score	39
Exons	3709..3984, 3731..3775, 3842..3961		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o5.tm	Method	TBLASTX:Maize
Start	3802	End	4048
GI	none	Score	119
Exons	3802..4047, 3824..4048, 3905..4048		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o1.tc	Method	TBLASTX:Cress
Start	4584	End	4919
GI	none	Score	247
Exons	4584..4919		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-

Start	1425	End	5055
Name	OJ990107_01.9819.C36.o3.ts	Method	TBLASTX:Soybean
Start	4599	End	4913
GI	none	Score	212
Exons	4599..4913		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o2.tw	Method	TBLASTX:Wheat
Start	4601	End	4913
GI	none	Score	141
Exons	4601..4798, 4602..4913, 4609..4899		

Seq. No.	14150	Seq. ID	OJ990107_01.9819.C36
Gene No.	30147	Strand	-
Start	1425	End	5055
Name	OJ990107_01.9819.C36.o3.tm	Method	TBLASTX:Maize
Start	4615	End	5002
GI	none	Score	167
Exons	4615..4911, 4617..4919, 4970..5002		

Seq. No.	14151	Seq. ID	OJ990107_01.9819.C37
Gene No.	30148	Strand	
Start	678	End	1181
Name	OJ990107_01.9819.C37.o1.tc	Method	TBLASTX:Cress
Start	678	End	977
GI	none	Score	195
Exons	678..764, 768..977		

Seq. No.	14151	Seq. ID	OJ990107_01.9819.C37
Gene No.	30148	Strand	
Start	678	End	1181
Name	OJ990107_01.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	714	End	1088
GI	none	Score	57
Exons	714..818, 816..869, 930..974, 1020..1088		

Seq. No.	14151	Seq. ID	OJ990107_01.9819.C37
Gene No.	30148	Strand	
Start	678	End	1181
Name	OJ990107_01.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	774	End	1181
GI	none	Score	78
Exons	774..887, 784..867, 936..1031, 1038..1181, 1038..1142		

Seq. No.	14152	Seq. ID	OJ990107_01.9819.C38
Gene No.	30149	Strand	-
Start	17	End	1148
Name	OJ990107_01.9819.C38.o1.gs	Method	GENSCAN
Start	17	End	1148
GI	none	Score	.69
Exons	17..49, 772..920, 1032..1148		

Seq. No.	14152	Seq. ID	OJ990107_01.9819.C38
Gene No.	30149	Strand	-
Start	17	End	1148

Name	OJ990107_01.9819.C38.o1.np	Method	AAT/NAP
Start	518	End	986
GI	6815053	Score	546
Exons	518..754, 804..986		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	14153	Seq. ID	OJ990107_01.9819.C39
Gene No.	30150	Strand	+
Start	479	End	3063
Name	OJ990107_01.9819.C39.o1.gs	Method	GENSCAN
Start	479	End	3063
GI	none	Score	.66
Exons	479..553, 1349..1612, 1696..1783, 3027..3063		

Seq. No.	14153	Seq. ID	OJ990107_01.9819.C39
Gene No.	30151	Strand	-
Start	1	End	2610
Name	OJ990107_01.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	2610
GI	6721516	Score	243
Exons	1..75, 958..1205, 2462..2610		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	14154	Seq. ID	OJ990107_01.9819.C40
Gene No.	30152	Strand	+
Start	93	End	1187
Name	OJ990107_01.9819.C40.o1.gs	Method	GENSCAN
Start	93	End	1187
GI	none	Score	.52
Exons	93..201, 1050..1187		

Seq. No.	14154	Seq. ID	OJ990107_01.9819.C40
Gene No.	30153	Strand	-
Start	1804	End	4184
Name	OJ990107_01.9819.C40.o2.gs	Method	GENSCAN
Start	1804	End	4184
GI	none	Score	.46
Exons	1804..1928, 2684..2942, 3751..3769, 4042..4184		

Seq. No.	14155	Seq. ID	OJ990107_01.9819.C42
Gene No.	30154	Strand	+
Start	1485	End	3689
Name	OJ990107_01.9819.C42.o1.gs	Method	GENSCAN
Start	1485	End	3689
GI	none	Score	.57
Exons	1485..1573, 2470..2574, 3402..3689		

Seq. No.	14155	Seq. ID	OJ990107_01.9819.C42
Gene No.	30154	Strand	+
Start	1485	End	3689
Name	OJ990107_01.9819.C42.o1.np	Method	AAT/NAP
Start	2024	End	3456
GI	6907088	Score	1078
Exons	2024..2161, 2337..2574, 3069..3456		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44

Gene No.	30155	Strand	+
Start	377	End	6200
Name	OJ990107_01.9819.C44.o1.gs	Method	GENSCAN
Start	377	End	6200
GI	none	Score	.44
Exons	377..3565, 3877..3887, 4355..4570, 5276..5380, 6066..6200		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30155	Strand	+
Start	377	End	6200
Name	OJ990107_01.9819.C44.o1.np	Method	AAT/NAP
Start	466	End	1494
GI	4587240	Score	1734
Exons	466..1494		
GI Descrip.	(AB022164) A1.1-4 [Oryza sativa]		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30156	Strand	+
Start	10940	End	15006
Name	OJ990107_01.9819.C44.o4.np	Method	AAT/NAP
Start	10940	End	15006
GI	4689223	Score	844
Exons	10940..11020, 11140..12531, 12562..13761, 14037..14498, 14981..15006		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30156	Strand	+
Start	10940	End	15006
Name	OJ990107_01.9819.C44.o3.np	Method	AAT/NAP
Start	11662	End	12700
GI	4587240	Score	1244
Exons	11662..12700		
GI Descrip.	(AB022164) A1.1-4 [Oryza sativa]		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30156	Strand	+
Start	10940	End	15006
Name	OJ990107_01.9819.C44.o5.np	Method	AAT/NAP
Start	13024	End	15006
GI	6729047	Score	57
Exons	13024..13098, 14374..14577, 14943..15006		
GI Descrip.	(AC009177) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o1.tc	Method	TBLASTX:Cress
Start	460	End	12385
GI	none	Score	117
Exons	460..603, 697..732, 853..888, 937..1053, 1054..1185, 11680..11772, 11893..11925, 12124..12231, 12287..12385		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-

Start	5848	End	13267
Name	OJ990107_01.9819.C44.o2.ts	Method	TBLASTX:Soybean
Start	466	End	12099
GI	none	Score	61
Exons	466..528, 526..606, 682..921, 11883..12029, 11884..12099		11680..11724, 11722..11802,

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o2.tm	Method	TBLASTX:Maize
Start	777	End	12490
GI	none	Score	53
Exons	777..818, 778..834, 927..998, 11974..12030, 12124..12243, 12275..12490		928..1077, 1066..1290, 1069..1224,

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o1.ts	Method	TBLASTX:Soybean
Start	928	End	12445
GI	none	Score	121
Exons	928..1062, 930..1043, 1069..1245, 12147..12200, 12244..12444, 12245..12445, 12245..12445		1092..1244, 12124..12240,

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o3.ts	Method	TBLASTX:Soybean
Start	1363	End	13267
GI	none	Score	64
Exons	1363..1428, 1597..1815, 1948..2067, 12524..12634, 12860..13021, 12968..13093, 13043..13150, 13154..13267		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o2.np	Method	AAT/NAP
Start	5848	End	9651
GI	2586082	Score	773
Exons	5848..5986, 6132..6726, 6962..7091, 7969..8506, 9570..9651		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	6273	End	6559
GI	none	Score	50
Exons	6273..6383, 6275..6382, 6361..6546, 6382..6528, 6383..6559		

Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o1.gp	Method	AAT/GAP
Start	7012	End	7086
GI	uC-osrocyp010g06b1	Score	99

Exons	7012..7086		
GI Descrip.	'6056374/gb|AAF02838.1|AC009894_9 8.0e-22 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		
Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o2.tw	Method	TBLASTX:Wheat
Start	7979	End	8269
GI	none	Score	187
Exons	7979..8269		
Seq. No.	14156	Seq. ID	OJ990107_01.9819.C44
Gene No.	30157	Strand	-
Start	5848	End	13267
Name	OJ990107_01.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	8075	End	8499
GI	none	Score	110
Exons	8075..8359, 8082..8336, 8117..8341, 8355..8465, 8446..8499, 8448..8498		
Seq. No.	14157	Seq. ID	OJ990107_01.9819.C45
Gene No.	30158	Strand	-
Start	1809	End	3152
Name	OJ990107_01.9819.C45.o1.gs	Method	GENSCAN
Start	1809	End	3152
GI	none	Score	.83
Exons	1809..1953, 2115..2335, 2360..2485, 3042..3152		
Seq. No.	14158	Seq. ID	OJ990107_01.9819.C46
Gene No.	30159	Strand	+
Start	1193	End	1472
Name	OJ990107_01.9819.C46.o1.gp	Method	AAT/GAP
Start	1193	End	1472
GI	2428185	Score	400
Exons	1193..1472		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	14158	Seq. ID	OJ990107_01.9819.C46
Gene No.	30160	Strand	-
Start	244	End	1472
Name	OJ990107_01.9819.C46.o1.np	Method	AAT/NAP
Start	244	End	1472
GI	5852180	Score	66
Exons	244..574, 1409..1472		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	14159	Seq. ID	OJ990107_01.9819.C47
Gene No.	30161	Strand	-
Start	1	End	2269
Name	OJ990107_01.9819.C47.o1.np	Method	AAT/NAP
Start	1	End	2269
GI	3319345	Score	410
Exons	1..49, 847..1754, 2227..2269		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	14159	Seq. ID	OJ990107_01.9819.C47
Gene No.	30161	Strand	-
Start	1	End	2269
Name	OJ990107_01.9819.C47.o1.gs	Method	GENSCAN
Start	291	End	1939
GI	none	Score	.44
Exons	291..501, 666..1131, 1189..1452, 1860..1939		

Seq. No.	14159	Seq. ID	OJ990107_01.9819.C47
Gene No.	30161	Strand	-
Start	1	End	2269
Name	OJ990107_01.9819.C47.o1.tm	Method	TBLASTX:Maize
Start	1023	End	1502
GI	none	Score	113
Exons	1023..1247, 1311..1502		

Seq. No.	14159	Seq. ID	OJ990107_01.9819.C47
Gene No.	30161	Strand	-
Start	1	End	2269
Name	OJ990107_01.9819.C47.o1.ts	Method	TBLASTX:Soybean
Start	1029	End	1466
GI	none	Score	218
Exons	1029..1466		

Seq. No.	14160	Seq. ID	OJ990107_01.9819.C49
Gene No.	30162	Strand	-
Start	248	End	2239
Name	OJ990107_01.9819.C49.o1.gs	Method	GENSCAN
Start	248	End	2239
GI	none	Score	.48
Exons	248..424, 470..726, 1789..1933, 2156..2239		

Seq. No.	14161	Seq. ID	OJ990107_01.9819.C50
Gene No.	30163	Strand	+
Start	85	End	741
Name	OJ990107_01.9819.C50.o1.gs	Method	GENSCAN
Start	85	End	741
GI	none	Score	.7
Exons	85..177, 182..292, 631..741		

Seq. No.	14161	Seq. ID	OJ990107_01.9819.C50
Gene No.	30164	Strand	-
Start	1116	End	1304
Name	OJ990107_01.9819.C50.o1.gp	Method	AAT/GAP
Start	1116	End	1304
GI	68224_1.R1084	Score	280
Exons	1116..1304		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	14162	Seq. ID	OJ990107_01.9819.C51
Gene No.	30165	Strand	+
Start	119	End	968
Name	OJ990107_01.9819.C51.o1.ts	Method	TBLASTX:Soybean
Start	88	End	825
GI	none	Score	407

Exons	88..405, 128..406, 137..415, 144..434, 243..416, 686..823, 688..825, 688..825		
Seq. No.	14162	Seq. ID	OJ990107_01.9819.C51
Gene No.	30165	Strand	+
Start	119	End	968
Name	OJ990107_01.9819.C51.o1.np	Method	AAT/NAP
Start	119	End	968
GI	6056205	Score	728
Exons	119..407, 690..968		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	14162	Seq. ID	OJ990107_01.9819.C51
Gene No.	30165	Strand	+
Start	119	End	968
Name	OJ990107_01.9819.C51.o1.tc	Method	TBLASTX:Cress
Start	175	End	751
GI	none	Score	272
Exons	175..396, 176..397, 707..751		

Seq. No.	14162	Seq. ID	OJ990107_01.9819.C51
Gene No.	30165	Strand	+
Start	119	End	968
Name	OJ990107_01.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	175	End	778
GI	none	Score	289
Exons	175..408, 176..409, 176..409, 707..778		

Seq. No.	14162	Seq. ID	OJ990107_01.9819.C51
Gene No.	30165	Strand	+
Start	119	End	968
Name	OJ990107_01.9819.C51.o1.tw	Method	TBLASTX:Wheat
Start	179	End	366
GI	none	Score	210
Exons	179..364, 179..325, 181..366		

Seq. No.	14162	Seq. ID	OJ990107_01.9819.C51
Gene No.	30165	Strand	+
Start	119	End	968
Name	OJ990107_01.9819.C51.o1.gs	Method	GENSCAN
Start	231	End	936
GI	none	Score	.95
Exons	231..407, 690..936		

Seq. No.	14162	Seq. ID	OJ990107_01.9819.C51
Gene No.	30165	Strand	+
Start	119	End	968
Name	OJ990107_01.9819.C51.o2.tw	Method	TBLASTX:Wheat
Start	371	End	892
GI	none	Score	60
Exons	371..397, 688..876, 689..892		

Seq. No.	14162	Seq. ID	OJ990107_01.9819.C51
Gene No.	30165	Strand	+
Start	119	End	968
Name	OJ990107_01.9819.C51.o1.gp	Method	AAT/GAP
Start	727	End	968

GI	60364_1.R1084	Score	468
Exons	727..968		
GI Descrip.	'6056205/gb|AAF02822.1|AC009400_18 7.0e-28 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	14163	Seq. ID	OJ990107_01.9819.C52
Gene No.	30166	Strand	+
Start	1	End	2049
Name	OJ990107_01.9819.C52.o1.np	Method	AAT/NAP
Start	1	End	2046
GI	6056205	Score	515
Exons	1..26, 802..1049, 1124..1262, 1891..2046		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	14163	Seq. ID	OJ990107_01.9819.C52
Gene No.	30166	Strand	+
Start	1	End	2049
Name	OJ990107_01.9819.C52.o1.gs	Method	GENSCAN
Start	178	End	2049
GI	none	Score	.75
Exons	178..193, 803..1049, 1124..1262, 1891..2049		

Seq. No.	14163	Seq. ID	OJ990107_01.9819.C52
Gene No.	30167	Strand	+
Start	2002	End	2579
Name	OJ990107_01.9819.C52.o1.ts	Method	TBLASTX:Soybean
Start	793	End	2058
GI	none	Score	262
Exons	793..1050, 799..1062, 863..1051, 888..1055, 1122..1247, 1124..1306, 1125..1259, 1133..1264, 1870..2058, 1890..2045		

Seq. No.	14163	Seq. ID	OJ990107_01.9819.C52
Gene No.	30167	Strand	+
Start	2002	End	2579
Name	OJ990107_01.9819.C52.o1.tm	Method	TBLASTX:Maize
Start	796	End	2121
GI	none	Score	389
Exons	796..1062, 798..1055, 1122..1262, 1125..1262, 1130..1264, 1870..2049, 1870..2067, 1886..2053, 2080..2121		

Seq. No.	14163	Seq. ID	OJ990107_01.9819.C52
Gene No.	30167	Strand	+
Start	2002	End	2579
Name	OJ990107_01.9819.C52.o1.tc	Method	TBLASTX:Cress
Start	799	End	1196
GI	none	Score	279
Exons	799..1050, 801..1055, 802..1062, 1124..1183, 1125..1196		

Seq. No.	14163	Seq. ID	OJ990107_01.9819.C52
Gene No.	30167	Strand	+
Start	2002	End	2579
Name	OJ990107_01.9819.C52.o1.tw	Method	TBLASTX:Wheat
Start	882	End	1262
GI	none	Score	105
Exons	882..983, 898..984, 966..1061, 1000..1062, 1125..1202, 1212..1262		

Seq. No.	14163	Seq. ID	OJ990107_01.9819.C52
Gene No.	30167	Strand	+
Start	2002	End	2579
Name	OJ990107_01.9819.C52.o1.gp	Method	AAT/GAP
Start	2002	End	2579
GI	none	Score	889
Exons	2002..2050, 2138..2579		

Seq. No.	14164	Seq. ID	OJ990107_01.9819.C54
Gene No.	30168	Strand	
Start	43	End	160
Name	OJ990107_01.9819.C54.o1.tm	Method	TBLASTX:Maize
Start	43	End	160
GI	none	Score	188
Exons	43..159, 44..160		

Seq. No.	14164	Seq. ID	OJ990107_01.9819.C54
Gene No.	30168	Strand	
Start	43	End	160
Name	OJ990107_01.9819.C54.o1.ts	Method	TBLASTX:Soybean
Start	43	End	160
GI	none	Score	137
Exons	43..159, 44..160		

Seq. No.	14165	Seq. ID	OJ990427_06.9819.C1
Gene No.	30169	Strand	+
Start	2895	End	6941
Name	OJ990427_06.9819.C1.o1.gs	Method	GENSCAN
Start	2895	End	4631
GI	none	Score	1
Exons	2895..4631		

Seq. No.	14165	Seq. ID	OJ990427_06.9819.C1
Gene No.	30169	Strand	+
Start	2895	End	6941
Name	OJ990427_06.9819.C1.o1.gp	Method	AAT/GAP
Start	3836	End	4233
GI	3763520	Score	750
Exons	3836..4233		

Seq. No.	14165	Seq. ID	OJ990427_06.9819.C1
Gene No.	30169	Strand	+
Start	2895	End	6941
Name	OJ990427_06.9819.C1.o2.gp	Method	AAT/GAP
Start	4363	End	6941
GI	85013_1.R1084	Score	1033
Exons	4363..4662, 6684..6941		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	14165	Seq. ID	OJ990427_06.9819.C1
Gene No.	30170	Strand	-
Start	1287	End	4266
Name	OJ990427_06.9819.C1.o1.np	Method	AAT/NAP
Start	1287	End	4266
GI	100210	Score	121
Exons	1287..1338, 2951..3406, 4115..4266		

GI Descrip.	extensin precursor (clone Tom L-4) - tomato gi|170444 (M76671) extensin (class II) [Lycopersicon esculentum]		
Seq. No.	14165	Seq. ID	OJ990427_06.9819.C1
Gene No.	30171	Strand	-
Start	6667	End	7752
Name	OJ990427_06.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	3432	End	4319
GI	none	Score	187
Exons	3432..3677, 3500..3670, 3510..3674, 3606..3839, 3717..3788, 3895..3951, 3903..3965, 4011..4085, 4034..4078, 4071..4220, 4183..4248, 4201..4308, 4216..4299, 4218..4319, 4218..4304		
Seq. No.	14165	Seq. ID	OJ990427_06.9819.C1
Gene No.	30171	Strand	-
Start	6667	End	7752
Name	OJ990427_06.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	4424	End	4632
GI	none	Score	206
Exons	4424..4630, 4428..4631, 4453..4632		
Seq. No.	14165	Seq. ID	OJ990427_06.9819.C1
Gene No.	30171	Strand	-
Start	6667	End	7752
Name	OJ990427_06.9819.C1.o2.gs	Method	GENSCAN
Start	6667	End	7752
GI	none	Score	.84
Exons	6667..6840, 7621..7752		
Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30172	Strand	+
Start	7812	End	8102
Name	OJ990427_06.9819.C2.o3.gs	Method	GENSCAN
Start	7812	End	8102
GI	none	Score	.92
Exons	7812..8102		
Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30173	Strand	+
Start	17955	End	18298
Name	OJ990427_06.9819.C2.o2.gp	Method	AAT/GAP
Start	17955	End	18298
GI	uC-osflcyp177c09a1	Score	552
Exons	17955..18298		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		
Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30174	Strand	+
Start	18221	End	25510
Name	OJ990427_06.9819.C2.o4.np	Method	AAT/NAP
Start	18221	End	25510
GI	138350	Score	74
Exons	18221..18624, 19848..20256, 22429..22655, 25436..25510		
GI Descrip.	GLYCOPROTEIN X PRECURSOR gi|73738|pir||VGBEX1 glycoprotein X precursor - equine herpesvirus 1 (strain Ab4p) gi|330862 (M86664) membrane glycoprotein [Equine herpesvirus 1]		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30175	Strand	-
Start	1439	End	10912
Name	OJ990427_06.9819.C2.o1.np	Method	AAT/NAP
Start	1433	End	10912
GI	2316016	Score	3677
Exons	1433..1539, 1624..1863, 1952..2015, 2104..2409, 2776..2990, 3095..3389, 3871..4035, 4155..4787, 4873..4959, 5414..7134, 8651..8703, 10723..10912		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30175	Strand	-
Start	1439	End	10912
Name	OJ990427_06.9819.C2.o2.gs	Method	GENSCAN
Start	1439	End	7162
GI	none	Score	.8
Exons	1439..1539, 1624..1863, 1952..2015, 2104..2372, 3095..3389, 4155..4205, 4335..4787, 4873..4959, 5414..7162		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30176	Strand	-
Start	12119	End	12205
Name	OJ990427_06.9819.C2.o2.np	Method	AAT/NAP
Start	12119	End	12205
GI	5852084	Score	90
Exons	12119..12205		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30177	Strand	-
Start	12872	End	22713
Name	OJ990427_06.9819.C2.o3.np	Method	AAT/NAP
Start	12872	End	19208
GI	6063554	Score	266
Exons	12872..13052, 13681..13708, 15225..15443, 15568..15783, 19176..19208		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30177	Strand	-
Start	12872	End	22713
Name	OJ990427_06.9819.C2.o1.gp	Method	AAT/GAP
Start	15349	End	15705
GI	428878	Score	444
Exons	15349..15705		
GI Descrip.	6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30177	Strand	-
Start	12872	End	22713
Name	OJ990427_06.9819.C2.o5.gs	Method	GENSCAN
Start	18118	End	20768

GI	none	Score	.53
Exons	18118..18842, 18922..19029, 19133..19234, 19350..19504, 19709..20322, 20670..20768		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30177	Strand	-
Start	12872	End	22713
Name	OJ990427_06.9819.C2.o3.gp	Method	AAT/GAP
Start	18660	End	22713
GI	none	Score	1795
Exons	18660..18848, 18922..19029, 19133..19234, 19350..19448, 20670..20768, 22297..22713		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30177	Strand	-
Start	12872	End	22713
Name	OJ990427_06.9819.C2.o6.gs	Method	GENSCAN
Start	21915	End	22618
GI	none	Score	.73
Exons	21915..22003, 22297..22618		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	1448	End	7144
GI	none	Score	218
Exons	1448..1555, 1622..1864, 1623..1868, 1953..2018, 2099..2410, 2102..2413, 2104..2415, 2752..2970, 2771..2986, 2773..2985, 3151..3387, 3165..3392, 3859..4035, 4149..4673, 4155..4496, 4156..4536, 4635..4796, 4717..4788, 4868..4966, 4870..4968, 5406..6299, 5407..5799, 5412..5825, 5414..6385, 5720..5857, 5994..6722, 6263..6814, 6372..6923, 6452..6922, 6851..7144, 6927..7088		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	1448	End	5551
GI	none	Score	52
Exons	1448..1555, 1457..1540, 1622..1864, 1623..1865, 1956..2018, 2104..2415, 2105..2389, 2771..2989, 2773..2985, 3091..3387, 3165..3395, 3859..4032, 5432..5551		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	1646	End	3975
GI	none	Score	209
Exons	1646..1864, 1647..1868, 1956..2018, 2099..2401, 2103..2402, 2104..2415, 2107..2412, 2769..2966, 2771..2986, 2773..2985, 2996..3043, 3097..3219, 3165..3431, 3277..3414, 3859..3975		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-

Start	23398	End	23507
Name	OJ990427_06.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	4149	End	4397
GI	none	Score	127
Exons	4149..4397, 4153..4395		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	4153	End	4457
GI	none	Score	320
Exons	4153..4455, 4155..4457, 4156..4455		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	4398	End	5452
GI	none	Score	114
Exons	4398..4550, 4400..4534, 4402..4551, 4623..4796, 4868..4966, 4870..4968, 5414..5452		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	5453	End	5812
GI	none	Score	388
Exons	5453..5812, 5454..5807, 5605..5808		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	5552	End	5764
GI	none	Score	220
Exons	5552..5764, 5553..5762, 5558..5764		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	6221	End	6643
GI	none	Score	190
Exons	6221..6643		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	18197	End	20766
GI	none	Score	126
Exons	18197..18253, 18262..18402, 18266..18403, 18382..18471, 18383..18490, 18469..18540, 18589..18720, 18607..18702, 18764..18844, 18766..18825, 20695..20766		

Seq. No.	14166	Seq. ID	OJ990427_06.9819.C2
Gene No.	30178	Strand	-
Start	23398	End	23507
Name	OJ990427_06.9819.C2.o7.gs	Method	GENSCAN
Start	23398	End	23507
GI	none	Score	.41
Exons	23398..23507		

Seq. No.	14167	Seq. ID	OJ990427_06.9819.C3
Gene No.	30179	Strand	+
Start	1296	End	2080
Name	OJ990427_06.9819.C3.o1.gs	Method	GENSCAN
Start	1296	End	2080
GI	none	Score	.81
Exons	1296..1313, 1943..2080		

Seq. No.	14167	Seq. ID	OJ990427_06.9819.C3
Gene No.	30180	Strand	-
Start	1949	End	3106
Name	OJ990427_06.9819.C3.o1.np	Method	AAT/NAP
Start	1949	End	3106
GI	5922628	Score	360
Exons	1949..2212, 3009..3106		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	14167	Seq. ID	OJ990427_06.9819.C3
Gene No.	30181	Strand	-
Start	3202	End	4152
Name	OJ990427_06.9819.C3.o2.np	Method	AAT/NAP
Start	3196	End	4152
GI	2316016	Score	379
Exons	3196..3302, 3387..3626, 3708..3784, 4126..4152		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	14167	Seq. ID	OJ990427_06.9819.C3
Gene No.	30181	Strand	-
Start	3202	End	4152
Name	OJ990427_06.9819.C3.o2.gs	Method	GENSCAN
Start	3202	End	3626
GI	none	Score	.49
Exons	3202..3302, 3387..3626		

Seq. No.	14167	Seq. ID	OJ990427_06.9819.C3
Gene No.	30181	Strand	-
Start	3202	End	4152
Name	OJ990427_06.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	3209	End	3774
GI	none	Score	89
Exons	3209..3337, 3211..3315, 3380..3472, 3382..3495, 3388..3495, 3484..3618, 3499..3627, 3500..3628, 3712..3774, 3713..3772		

Seq. No.	14167	Seq. ID	OJ990427_06.9819.C3
Gene No.	30181	Strand	-
Start	3202	End	4152
Name	OJ990427_06.9819.C3.o1.tc	Method	TBLASTX:Cress

Start	3211	End	3774
GI	none	Score	62
Exons	3211..3318, 3221..3307, 3385..3633, 3386..3628, 3709..3774, 3710..3751		

Seq. No.	14167	Seq. ID	OJ990427_06.9819.C3
Gene No.	30181	Strand	-
Start	3202	End	4152
Name	OJ990427_06.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	3409	End	3794
GI	none	Score	217
Exons	3409..3627, 3410..3628, 3435..3629, 3710..3772, 3712..3774, 3714..3794		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30182	Strand	+
Start	5472	End	7129
Name	OJ990427_06.9819.C4.o2.gs	Method	GENSCAN
Start	5472	End	7129
GI	none	Score	.55
Exons	5472..5531, 5918..6065, 6214..6294, 6477..7129		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30183	Strand	-
Start	1	End	5284
Name	OJ990427_06.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	5232
GI	2316016	Score	3163
Exons	1..307, 933..1147, 1242..1536, 2019..2183, 2303..2933, 3019..3105, 3539..5232		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30183	Strand	-
Start	1	End	5284
Name	OJ990427_06.9819.C4.o1.gs	Method	GENSCAN
Start	135	End	5284
GI	none	Score	.69
Exons	135..326, 933..1147, 1242..1536, 2303..2748, 2762..2933, 3019..3105, 3539..5284		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	5	End	5218
GI	none	Score	119
Exons	5..52, 6..65, 59..307, 60..200, 75..308, 76..318, 909..1127, 928..1143, 930..1142, 1288..1341, 1294..1539, 1298..1534, 1464..1541, 2007..2186, 2297..2716, 2303..2644, 2304..2684, 2536..2685, 2781..2933, 2863..2934, 3014..3112, 3016..3114, 3531..4382, 3539..4381, 3845..3982, 4385..4936, 4385..4507, 4386..4643, 4494..5045, 4574..4672, 4733..5044, 5048..5218, 5049..5210		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-

Start	7328	End	9231
Name	OJ990427_06.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	6	End	1127
GI	none	Score	244
Exons	6..56, 49..300, 59..307, 255..311, 928..1125, 929..1126, 930..1127		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	6	End	2123
GI	none	Score	35
Exons	6..65, 7..66, 59..307, 60..188, 65..310, 66..308, 926..1123, 927..1142, 928..1143, 930..1142, 1231..1341, 1231..1539, 1244..1540, 2007..2123, 2020..2115		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	1270	End	2072
GI	none	Score	75
Exons	1270..1341, 1270..1539, 1274..1534, 1280..1540, 1405..1539, 2007..2072		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	2073	End	2605
GI	none	Score	110
Exons	2073..2183, 2073..2186, 2074..2184, 2303..2605, 2304..2603		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	2297	End	2545
GI	none	Score	100
Exons	2297..2545, 2301..2543		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	2546	End	3577
GI	none	Score	102
Exons	2546..2698, 2548..2682, 2550..2699, 2769..2933, 2875..2943, 3014..3112, 3016..3114, 3539..3577		

Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	3531	End	3790
GI	none	Score	181

Exons	3531..3737, 3533..3790, 3537..3746, 3539..3790		
Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	3578	End	3937
GI	none	Score	377
Exons	3578..3937, 3579..3932, 3730..3933		
Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	3830	End	4201
GI	none	Score	101
Exons	3830..4015, 3831..3989, 4052..4201		
Seq. No.	14168	Seq. ID	OJ990427_06.9819.C4
Gene No.	30184	Strand	-
Start	7328	End	9231
Name	OJ990427_06.9819.C4.o3.gs	Method	GENSCAN
Start	7328	End	9231
GI	none	Score	.46
Exons	7328..7431, 8488..8583, 9009..9231		
Seq. No.	14169	Seq. ID	OJ990427_06.9819.C5
Gene No.	30185	Strand	+
Start	57	End	421
Name	OJ990427_06.9819.C5.o1.gs	Method	GENSCAN
Start	57	End	421
GI	none	Score	.66
Exons	57..421		
Seq. No.	14169	Seq. ID	OJ990427_06.9819.C5
Gene No.	30186	Strand	-
Start	1023	End	1260
Name	OJ990427_06.9819.C5.o2.gs	Method	GENSCAN
Start	1023	End	1260
GI	none	Score	.58
Exons	1023..1260		
Seq. No.	14170	Seq. ID	OJ990427_06.9819.C7
Gene No.	30187	Strand	+
Start	92	End	170
Name	OJ990427_06.9819.C7.o1.gs	Method	GENSCAN
Start	92	End	170
GI	none	Score	.8
Exons	92..170		
Seq. No.	14171	Seq. ID	OJ990427_06.9819.C8
Gene No.	30188	Strand	-
Start	1	End	2326
Name	OJ990427_06.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	2326
GI	6911870	Score	368
Exons	1..307, 864..956, 1330..1482, 2158..2326		

GI Descrip. (AL138655) putative protein [Arabidopsis thaliana]

Seq. No.	14171	Seq. ID	OJ990427_06.9819.C8
Gene No.	30188	Strand	-
Start	1	End	2326
Name	OJ990427_06.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	152	End	304
GI	none	Score	135
Exons	152..304, 171..302		

Seq. No.	14171	Seq. ID	OJ990427_06.9819.C8
Gene No.	30188	Strand	-
Start	1	End	2326
Name	OJ990427_06.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	152	End	1431
GI	none	Score	211
Exons	152..316, 156..308, 164..316, 864..947, 864..956, 868..1008, 1330..1431, 1330..1419		

Seq. No.	14171	Seq. ID	OJ990427_06.9819.C8
Gene No.	30188	Strand	-
Start	1	End	2326
Name	OJ990427_06.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	152	End	1389
GI	none	Score	132
Exons	152..310, 156..305, 164..316, 864..956, 868..945, 1324..1389		

Seq. No.	14171	Seq. ID	OJ990427_06.9819.C8
Gene No.	30188	Strand	-
Start	1	End	2326
Name	OJ990427_06.9819.C8.o1.gp	Method	AAT/GAP
Start	163	End	311
GI	1109_1.R1084	Score	273
Exons	163..311		
GI Descrip.	'1077413/pir||S51431 2.0e-34 hypothetical protein YLR186w - yeast (Saccharomyces cerevisiae) >gi_577197 (U17246) Ylr186wp [Saccharomyces cerevisiae]'		

Seq. No.	14171	Seq. ID	OJ990427_06.9819.C8
Gene No.	30188	Strand	-
Start	1	End	2326
Name	OJ990427_06.9819.C8.o1.gs	Method	GENSCAN
Start	163	End	1614
GI	none	Score	.88
Exons	163..307, 864..956, 1330..1614		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30189	Strand	+
Start	134	End	1453
Name	OJ990427_06.9819.C9.o1.gs	Method	GENSCAN
Start	134	End	1453
GI	none	Score	.4
Exons	134..344, 1086..1453		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30190	Strand	+
Start	3390	End	11089

Name	OJ990427_06.9819.C9.o1.np	Method	AAT/NAP
Start	3376	End	10105
GI	3142301	Score	1357
Exons	3376..3465, 4297..4458, 4681..4799, 4872..4956, 5616..5724, 5818..5885, 5992..6117, 6344..6812, 6963..7457, 7914..8117, 8221..8281, 8557..8670, 9082..9195, 9276..9363, 9949..10105		
GI Descrip.	(AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb|Q05946. ESTs gb|N65081 gb|Z30910, gb|Z34190, gb|Z34611, gb|R30101, gb|H3630...		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30190	Strand	+
Start	3390	End	11089
Name	OJ990427_06.9819.C9.o2.gs	Method	GENSCAN
Start	3390	End	11089
GI	none	Score	.79
Exons	3390..3481, 4302..4451, 4746..4799, 4872..4956, 5616..5751, 5818..5877, 6330..7034, 7142..7457, 7914..8117, 8221..8281, 8557..8670, 9082..9195, 10061..10131, 10948..11089		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30190	Strand	+
Start	3390	End	11089
Name	OJ990427_06.9819.C9.o1.gp	Method	AAT/GAP
Start	6943	End	7965
GI	21990_1.R1084	Score	799
Exons	6943..7034, 7142..7457, 7914..7965		
GI Descrip.	'3142301 3.0e-26 (AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb_M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb_Q05946. ESTs gb_N65081 gb_Z30910, gb_Z34190, gb_Z34611, gb_R30101, gb_H3630'		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30191	Strand	+
Start	13909	End	14188
Name	OJ990427_06.9819.C9.o2.gp	Method	AAT/GAP
Start	13909	End	14188
GI	2798372	Score	519
Exons	13909..14188		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30192	Strand	-
Start	13070	End	14808
Name	OJ990427_06.9819.C9.o3.gs	Method	GENSCAN
Start	13070	End	14808
GI	none	Score	.64
Exons	13070..13228, 14599..14808		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o6.tm	Method	TBLASTX:Maize
Start	4297	End	4896
GI	none	Score	77
Exons	4297..4371, 4298..4372, 4299..4373, 4299..4376, 4300..4374,		

4378..4452, 4673..4789, 4683..4799, 4684..4797, 4873..4896

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	5613	End	6424
GI	none	Score	115
Exons	5613..5723, 5615..5716, 5805..5894, 5819..5887, 5989..6126, 5991..6116, 6335..6424		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	5615	End	6427
GI	none	Score	131
Exons	5615..5722, 5616..5723, 5787..5888, 5819..5878, 5989..6120, 5991..6119, 5994..6122, 6341..6427		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	6355	End	6901
GI	none	Score	220
Exons	6355..6522, 6356..6538, 6365..6538, 6542..6676, 6549..6581, 6595..6669, 6699..6887, 6707..6901, 6711..6890		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	6940	End	7475
GI	none	Score	136
Exons	6940..7047, 6942..7052, 6944..7048, 7130..7222, 7141..7203, 7206..7337, 7214..7300, 7258..7338, 7318..7455, 7332..7475, 7347..7457		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	6974	End	9308
GI	none	Score	74
Exons	6974..7039, 7327..7455, 7347..7457, 7908..7982, 7908..8024, 7909..8025, 8020..8118, 8222..8281, 8542..8682, 8556..8681, 9097..9195, 9120..9197, 9273..9308		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o3.tc	Method	TBLASTX:Cress
Start	7908	End	9197
GI	none	Score	75
Exons	7908..7994, 7908..7994, 7909..8028, 8029..8112, 8221..8280, 8222..8281, 8542..8682, 8556..8681, 9079..9186, 9097..9195,		

9120..9197

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	8218	End	9365
GI	none	Score	87
Exons	8218..8277, 8222..8281, 8542..8682, 8546..8680, 8556..8681, 9079..9198, 9097..9195, 9241..9360, 9273..9365, 9275..9361		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o4.gs	Method	GENSCAN
Start	17090	End	23891
GI	none	Score	.69
Exons	17090..17286, 18337..18409, 18615..18718, 21602..21883, 22241..23891		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o3.gp	Method	AAT/GAP
Start	21265	End	21372
GI	427308	Score	180
Exons	21265..21372		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o2.np	Method	AAT/NAP
Start	21872	End	24026
GI	4558664	Score	809
Exons	21872..21928, 22215..24026		
GI Descrip.	(AC007063) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o3.np	Method	AAT/NAP
Start	22241	End	24026
GI	1707020	Score	569
Exons	22241..23226, 23623..24026		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	22257	End	22784
GI	none	Score	83
Exons	22257..22559, 22318..22554, 22584..22784, 22609..22755		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026

Name	OJ990427_06.9819.C9.o4.tc	Method	TBLASTX:Cress
Start	22257	End	22559
GI	none	Score	189
Exons	22257..22559		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	22305	End	22754
GI	none	Score	88
Exons	22305..22583, 22306..22464, 22584..22754, 22585..22746		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	22587	End	23945
GI	none	Score	51
Exons	22587..22673, 22677..22787, 22716..22886, 22800..22976, 22986..23078, 22998..23423, 23022..23099, 23109..23216, 23184..23402, 23547..23663, 23712..23795, 23808..23945		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	22659	End	23828
GI	none	Score	70
Exons	22659..22937, 22659..22958, 22980..23126, 23037..23273, 23178..23423, 23535..23663, 23691..23828		

Seq. No.	14172	Seq. ID	OJ990427_06.9819.C9
Gene No.	30193	Strand	-
Start	17090	End	24026
Name	OJ990427_06.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	22755	End	23885
GI	none	Score	123
Exons	22755..22958, 22995..23390, 23550..23699, 23688..23885		

Seq. No.	14173	Seq. ID	OJ990427_06.9819.C10
Gene No.	30194	Strand	-
Start	1	End	3693
Name	OJ990427_06.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	2991
GI	4539394	Score	277
Exons	1..716, 2951..2991		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	14173	Seq. ID	OJ990427_06.9819.C10
Gene No.	30194	Strand	-
Start	1	End	3693
Name	OJ990427_06.9819.C10.o1.gs	Method	GENSCAN
Start	173	End	3693
GI	none	Score	.55
Exons	173..943, 2284..2407, 2733..2861, 3001..3045, 3153..3249, 3598..3693		

Seq. No.	14174	Seq. ID	OJ990427_06.9819.C11
Gene No.	30195	Strand	+
Start	8612	End	9308
Name	OJ990427_06.9819.C11.o1.gp	Method	AAT/GAP
Start	8612	End	9308
GI	6012799	Score	1260
Exons	8612..9308		

Seq. No.	14174	Seq. ID	OJ990427_06.9819.C11
Gene No.	30196	Strand	-
Start	1155	End	1791
Name	OJ990427_06.9819.C11.o1.gs	Method	GENSCAN
Start	1155	End	1791
GI	none	Score	.73
Exons	1155..1436, 1747..1791		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30197	Strand	+
Start	776	End	2586
Name	OJ990427_06.9819.C12.o1.gs	Method	GENSCAN
Start	776	End	2586
GI	none	Score	.93
Exons	776..832, 2179..2586		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30198	Strand	+
Start	2771	End	8180
Name	OJ990427_06.9819.C12.o1.np	Method	AAT/NAP
Start	2771	End	8180
GI	4512618	Score	1669
Exons	2771..2871, 3424..4130, 4265..4330, 4440..5806, 5872..6063, 6241..7759, 8029..8180		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30198	Strand	+
Start	2771	End	8180
Name	OJ990427_06.9819.C12.o2.gs	Method	GENSCAN
Start	3416	End	7783
GI	none	Score	.68
Exons	3416..3646, 3773..3927, 4036..4152, 4370..4564, 4689..4841, 5266..5402, 5642..5767, 5999..6130, 6233..7018, 7049..7117, 7221..7783		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30199	Strand	+
Start	9530	End	9738
Name	OJ990427_06.9819.C12.o2.gp	Method	AAT/GAP
Start	9530	End	9738
GI	uC-osflcyp177c09a1	Score	304
Exons	9530..9738		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30200	Strand	+
Start	18432	End	20430
Name	OJ990427_06.9819.C12.o3.gp	Method	AAT/GAP
Start	18432	End	20430
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	18432..18495, 20389..20430		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o7.tm	Method	TBLASTX:Maize
Start	3485	End	3922
GI	none	Score	44
Exons	3485..3523, 3542..3607, 3653..3922, 3670..3849		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o10.tm	Method	TBLASTX:Maize
Start	4795	End	5205
GI	none	Score	76
Exons	4795..4881, 4801..4872, 4929..4946, 4930..4989, 5023..5076, 5079..5186, 5080..5205		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	5305	End	5730
GI	none	Score	123
Exons	5305..5412, 5309..5410, 5372..5509, 5498..5584, 5588..5653, 5650..5730		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	6346	End	6842
GI	5509260	Score	322
Exons	6346..6840, 6669..6842		
GI Descrip.	-		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o5.tm	Method	TBLASTX:Maize
Start	6390	End	6642
GI	none	Score	82
Exons	6390..6548, 6390..6641, 6391..6642		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239

Name	OJ990427_06.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	6477	End	6729
GI	none	Score	201
Exons	6477..6542, 6478..6729, 6567..6707		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o4.tw	Method	TBLASTX:Wheat
Start	6510	End	7056
GI	none	Score	256
Exons	6510..6854, 6511..6855, 6841..7056, 6897..6947, 7005..7040		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	6642	End	7089
GI	none	Score	553
Exons	6642..7076, 6643..7089, 6649..7089		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	7096	End	7420
GI	none	Score	50
Exons	7096..7131, 7145..7420, 7145..7261, 7294..7407, 7298..7420		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	7145	End	7639
GI	none	Score	389
Exons	7145..7639, 7309..7428, 7358..7636		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o6.tw	Method	TBLASTX:Wheat
Start	7145	End	7348
GI	none	Score	186
Exons	7145..7348, 7157..7276		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	7421	End	7753
GI	none	Score	285
Exons	7421..7675, 7421..7663, 7474..7674, 7715..7753, 7717..7749		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o2.np	Method	AAT/NAP

Start	9604	End	11827
GI	5257263	Score	222
Exons	9604..10176, 11801..11827		
GI Descrip.	(AP000364) EST AU029260(E30024) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana rd22 gene. (D10703) [Oryza sativa]		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o6.tm	Method	TBLASTX:Maize
Start	9676	End	10250
GI	none	Score	49
Exons	9676..9735, 9685..9744, 9784..9882, 9788..9883, 9862..9951, 9863..9970, 9962..10036, 10052..10162, 10056..10250		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o3.np	Method	AAT/NAP
Start	9775	End	14826
GI	2583130	Score	1757
Exons	9775..9812, 10530..10579, 10763..11231, 11284..14826		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o4.np	Method	AAT/NAP
Start	10678	End	16239
GI	4432866	Score	1798
Exons	10678..11157, 11215..14786, 14837..15326, 15544..16239		
GI Descrip.	(AC006300) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	11284	End	11703
GI	none	Score	65
Exons	11284..11685, 11297..11380, 11422..11703		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o9.tm	Method	TBLASTX:Maize
Start	12121	End	12493
GI	none	Score	118
Exons	12121..12492, 12143..12493		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	12289	End	12685

GI	none	Score	189
Exons	12289..12333, 12304..12579, 12305..12580, 12586..12684, 12587..12685		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o8.tm	Method	TBLASTX:Maize
Start	12649	End	13281
GI	none	Score	103
Exons	12649..12777, 12820..13092, 13126..13281		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	12805	End	13104
GI	none	Score	198
Exons	12805..13104		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	12856	End	13237
GI	none	Score	162
Exons	12856..13023, 12857..13030, 13005..13226, 13015..13227, 13018..13236, 13022..13237		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	13456	End	13863
GI	none	Score	99
Exons	13456..13755, 13738..13863		

Seq. No.	14175	Seq. ID	OJ990427_06.9819.C12
Gene No.	30201	Strand	-
Start	9604	End	16239
Name	OJ990427_06.9819.C12.o5.tw	Method	TBLASTX:Wheat
Start	14335	End	14721
GI	none	Score	66
Exons	14335..14535, 14384..14521, 14530..14721, 14612..14707		

Seq. No.	14176	Seq. ID	OJ990427_06.9819.C14
Gene No.	30202	Strand	+
Start	52	End	495
Name	OJ990427_06.9819.C14.o1.gs	Method	GENSCAN
Start	52	End	495
GI	none	Score	.52
Exons	52..99, 200..495		

Seq. No.	14176	Seq. ID	OJ990427_06.9819.C14
Gene No.	30203	Strand	+
Start	501	End	711
Name	OJ990427_06.9819.C14.o1.gp	Method	AAT/GAP

Start	501	End	711
GI	3763520	Score	398
Exons	501..711		

Seq. No.	14177	Seq. ID	OJ990427_06.9819.C15
Gene No.	30204	Strand	+
Start	69	End	260
Name	OJ990427_06.9819.C15.o1.gs	Method	GENSCAN
Start	69	End	260
GI	none	Score	.74
Exons	69..260		

Seq. No.	14178	Seq. ID	OJ990427_06.9819.C17
Gene No.	30205	Strand	+
Start	1	End	962
Name	OJ990427_06.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	962
GI	2316016	Score	463
Exons	1..42, 143..809, 838..962		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	14178	Seq. ID	OJ990427_06.9819.C17
Gene No.	30205	Strand	+
Start	1	End	962
Name	OJ990427_06.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	159	End	796
GI	none	Score	58
Exons	159..203, 160..312, 377..796, 408..557, 409..789, 449..790		

Seq. No.	14178	Seq. ID	OJ990427_06.9819.C17
Gene No.	30205	Strand	+
Start	1	End	962
Name	OJ990427_06.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	398	End	796
GI	none	Score	339
Exons	398..796, 400..792		

Seq. No.	14178	Seq. ID	OJ990427_06.9819.C17
Gene No.	30205	Strand	+
Start	1	End	962
Name	OJ990427_06.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	488	End	792
GI	none	Score	379
Exons	488..790, 490..792, 490..789		

Seq. No.	14179	Seq. ID	OJ990427_06.9819.C21
Gene No.	30206	Strand	-
Start	1	End	841
Name	OJ990427_06.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	841
GI	2316016	Score	543
Exons	1..659, 745..841		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	14179	Seq. ID	OJ990427_06.9819.C21
Gene No.	30206	Strand	-
Start	1	End	841

Name	OJ990427_06.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	26	End	329
GI	none	Score	243
Exons	26..163, 61..327, 63..329, 77..328		

Seq. No.	14179	Seq. ID	OJ990427_06.9819.C21
Gene No.	30206	Strand	-
Start	1	End	841
Name	OJ990427_06.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	29	End	840
GI	none	Score	190
Exons	29..64, 60..368, 61..408, 63..545, 507..668, 589..660, 740..838, 742..840		

Seq. No.	14179	Seq. ID	OJ990427_06.9819.C21
Gene No.	30206	Strand	-
Start	1	End	841
Name	OJ990427_06.9819.C21.o1.gs	Method	GENSCAN
Start	207	End	831
GI	none	Score	.41
Exons	207..659, 745..831		

Seq. No.	14179	Seq. ID	OJ990427_06.9819.C21
Gene No.	30206	Strand	-
Start	1	End	841
Name	OJ990427_06.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	270	End	840
GI	none	Score	114
Exons	270..422, 272..406, 274..423, 495..668, 740..838, 742..840		

Seq. No.	14180	Seq. ID	OJ990427_06.9819.C22
Gene No.	30207	Strand	-
Start	231	End	403
Name	OJ990427_06.9819.C22.o1.gp	Method	AAT/GAP
Start	231	End	403
GI	428878	Score	216
Exons	231..403		
GI Descrip.	6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01		

Seq. No.	14181	Seq. ID	OJ990427_06.9819.C23
Gene No.	30208	Strand	+
Start	469	End	639
Name	OJ990427_06.9819.C23.o1.gs	Method	GENSCAN
Start	469	End	639
GI	none	Score	.68
Exons	469..639		

Seq. No.	14182	Seq. ID	OJ990427_06.9819.C24
Gene No.	30209	Strand	+
Start	228	End	387
Name	OJ990427_06.9819.C24.o1.gs	Method	GENSCAN
Start	228	End	387
GI	none	Score	.97
Exons	228..387		

Seq. No.	14183	Seq. ID	OJ990427_06.9819.C25

Gene No.	30210	Strand	+
Start	445	End	540
Name	OJ990427_06.9819.C25.o1.gs	Method	GENSCAN
Start	445	End	540
GI	none	Score	.87
Exons	445..540		

Seq. No.	14184	Seq. ID	OJ990427_06.9819.C26
Gene No.	30211	Strand	+
Start	1	End	1016
Name	OJ990427_06.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	1016
GI	2316016	Score	349
Exons	1..56, 309..614, 949..1016		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	14184	Seq. ID	OJ990427_06.9819.C26
Gene No.	30211	Strand	+
Start	1	End	1016
Name	OJ990427_06.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	305	End	620
GI	none	Score	447
Exons	305..364, 309..620, 376..414,	425..613,	433..615

Seq. No.	14184	Seq. ID	OJ990427_06.9819.C26
Gene No.	30211	Strand	+
Start	1	End	1016
Name	OJ990427_06.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	305	End	620
GI	none	Score	415
Exons	305..358, 309..620, 428..613,	481..615	

Seq. No.	14184	Seq. ID	OJ990427_06.9819.C26
Gene No.	30211	Strand	+
Start	1	End	1016
Name	OJ990427_06.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	309	End	620
GI	none	Score	412
Exons	309..620, 416..613		

Seq. No.	14185	Seq. ID	OJ990427_06.9819.C28
Gene No.	30212	Strand	+
Start	578	End	631
Name	OJ990427_06.9819.C28.o1.gs	Method	GENSCAN
Start	578	End	631
GI	none	Score	.5
Exons	578..631		

Seq. No.	14186	Seq. ID	OJ990427_06.9819.C30
Gene No.	30213	Strand	
Start	107	End	1112
Name	OJ990427_06.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	107	End	1112
GI	none	Score	43
Exons	107..229, 182..598, 263..451,	278..355,	287..595, 362..595,
	620..796, 620..757, 671..796,	677..805,	818..937, 821..937,
	821..937, 948..1112		

Seq. No.	14186	Seq. ID	OJ990427_06.9819.C30
Gene No.	30213	Strand	
Start	107	End	1112
Name	OJ990427_06.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	125	End	937
GI	none	Score	47
Exons	125..238, 188..592, 263..448,	620..754, 632..766, 818..937	

Seq. No.	14186	Seq. ID	OJ990427_06.9819.C30
Gene No.	30213	Strand	
Start	107	End	1112
Name	OJ990427_06.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	263	End	937
GI	none	Score	53
Exons	263..511, 431..595, 614..805,	737..805, 818..937	

Seq. No.	14187	Seq. ID	OJ990427_06.9819.C34
Gene No.	30214	Strand	+
Start	1	End	780
Name	OJ990427_06.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	780
GI	2316016	Score	383
Exons	1..38, 263..587, 676..780		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	14187	Seq. ID	OJ990427_06.9819.C34
Gene No.	30214	Strand	+
Start	1	End	780
Name	OJ990427_06.9819.C34.o1.tc	Method	TBLASTX:Cress
Start	276	End	592
GI	none	Score	433
Exons	276..587, 278..589, 281..592,	312..449	

Seq. No.	14187	Seq. ID	OJ990427_06.9819.C34
Gene No.	30214	Strand	+
Start	1	End	780
Name	OJ990427_06.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	276	End	592
GI	none	Score	434
Exons	276..587, 279..584, 289..588,	290..592, 494..592	

Seq. No.	14187	Seq. ID	OJ990427_06.9819.C34
Gene No.	30214	Strand	+
Start	1	End	780
Name	OJ990427_06.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	276	End	601
GI	none	Score	459
Exons	276..587, 279..584, 281..592,	284..601	

Seq. No.	14188	Seq. ID	OJ990427_06.9819.C35
Gene No.	30215	Strand	+
Start	1	End	774
Name	OJ990427_06.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	774
GI	3142301	Score	117
Exons	1..134, 589..774		

GI Descrip.	(AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb|Q05946. ESTs gb|N65081 gb|Z30910, gb|Z34190, gb|Z34611, gb|R30101, gb|H3630...		
Seq. No.	14188	Seq. ID	OJ990427_06.9819.C35
Gene No.	30215	Strand	+
Start	1	End	774
Name	OJ990427_06.9819.C35.o1.gp	Method	AAT/GAP
Start	81	End	640
GI	21990_1.R1084	Score	137
Exons	81..134, 589..640		
GI Descrip.	'3142301 3.0e-26 (AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb_M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb_Q05946. ESTs gb_N65081 gb_Z30910, gb_Z34190, gb_Z34611, gb_R30101, gb_H3630'		
Seq. No.	14189	Seq. ID	OJ990427_06.9819.C36
Gene No.	30216	Strand	+
Start	247	End	348
Name	OJ990427_06.9819.C36.o1.gs	Method	GENSCAN
Start	247	End	348
GI	none	Score	.74
Exons	247..348		
Seq. No.	14189	Seq. ID	OJ990427_06.9819.C36
Gene No.	30217	Strand	-
Start	1661	End	1881
Name	OJ990427_06.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	428	End	1219
GI	none	Score	84
Exons	428..541, 431..538, 440..559, 446..541, 449..547, 449..550, 462..545, 464..541, 562..741, 599..730, 605..745, 607..708, 608..703, 608..739, 610..708, 610..744, 613..753, 622..741, 688..780, 688..780, 736..924, 741..833, 742..834, 770..922, 771..893, 772..921, 772..936, 803..943, 815..937, 818..937, 820..915, 821..967, 822..947, 824..925, 825..947, 948..1211, 969..1076, 971..1081, 972..1076, 972..1091, 977..1084, 977..1090, 980..1102, 984..1106, 997..1077, 1091..1210, 1091..1219, 1094..1213		
Seq. No.	14189	Seq. ID	OJ990427_06.9819.C36
Gene No.	30217	Strand	-
Start	1661	End	1881
Name	OJ990427_06.9819.C36.o2.gs	Method	GENSCAN
Start	1661	End	1881
GI	none	Score	.55
Exons	1661..1718, 1757..1881		
Seq. No.	14190	Seq. ID	OJ990427_06.9819.C37
Gene No.	30218	Strand	+
Start	1	End	896
Name	OJ990427_06.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	896
GI	2316016	Score	419
Exons	1..87, 306..616, 705..769, 857..896		

GI Descrip. (U92650) MRP-like ABC transporter [Arabidopsis thaliana]

Seq. No.	14190	Seq. ID	OJ990427_06.9819.C37
Gene No.	30218	Strand	+
Start	1	End	896
Name	OJ990427_06.9819.C37.o1.tc	Method	TBLASTX:Cress
Start	305	End	767
GI	none	Score	433
Exons	305..616, 307..618, 310..621,	341..478, 702..767	

Seq. No.	14190	Seq. ID	OJ990427_06.9819.C37
Gene No.	30218	Strand	+
Start	1	End	896
Name	OJ990427_06.9819.C37.o1.ts	Method	TBLASTX:Soybean
Start	305	End	764
GI	none	Score	434
Exons	305..616, 308..613, 318..617,	319..621, 523..621, 702..764	

Seq. No.	14190	Seq. ID	OJ990427_06.9819.C37
Gene No.	30218	Strand	+
Start	1	End	896
Name	OJ990427_06.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	305	End	737
GI	none	Score	459
Exons	305..616, 308..613, 310..621,	313..630, 702..737	

Seq. No.	14191	Seq. ID	OJ990427_06.9819.C38
Gene No.	30219	Strand	+
Start	1	End	804
Name	OJ990427_06.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	804
GI	2316016	Score	287
Exons	1..280, 754..804		

GI Descrip. (U92650) MRP-like ABC transporter [Arabidopsis thaliana]

Seq. No.	14191	Seq. ID	OJ990427_06.9819.C38
Gene No.	30219	Strand	+
Start	1	End	804
Name	OJ990427_06.9819.C38.o1.tc	Method	TBLASTX:Cress
Start	13	End	288
GI	none	Score	311
Exons	13..288, 14..280, 108..287		

Seq. No.	14191	Seq. ID	OJ990427_06.9819.C38
Gene No.	30219	Strand	+
Start	1	End	804
Name	OJ990427_06.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	13	End	300
GI	none	Score	246
Exons	13..300, 14..280, 142..300		

Seq. No.	14191	Seq. ID	OJ990427_06.9819.C38
Gene No.	30219	Strand	+
Start	1	End	804
Name	OJ990427_06.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	35	End	288
GI	none	Score	276

Exons	35..286, 35..280, 82..288		
Seq. No.	14192	Seq. ID	OJ990627_45.9922.C1
Gene No.	30220	Strand	+
Start	1	End	1283
Name	OJ990627_45.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	1283
GI	6016876	Score	487
Exons	1..62, 283..429, 522..744, 1247..1283		
GI Descrip.	(AP000570) ESTs C99053(E4383),C99052(E4383) correspond to a region of the predicted gene.; Similar to putative RNA helicase. (AC005309) [Oryza sativa]		
Seq. No.	14192	Seq. ID	OJ990627_45.9922.C1
Gene No.	30220	Strand	+
Start	1	End	1283
Name	OJ990627_45.9922.C1.o1.gs	Method	GENSCAN
Start	283	End	702
GI	none	Score	.95
Exons	283..429, 522..702		
Seq. No.	14193	Seq. ID	OJ990627_45.9922.C2
Gene No.	30221	Strand	+
Start	1	End	597
Name	OJ990627_45.9922.C2.o1.gp	Method	AAT/GAP
Start	1	End	597
GI	LIB3475-002-P1-K2-F3	Score	396
Exons	1..62, 143..262, 562..597		
GI Descrip.	'6016876/dbj|BAA85219.1| 5.0e-51 (AP000570) ESTs C99053(E4383),C99052(E4383) correspond to a region of the predicted gene.; Similar to putative RNA helicase. (AC005309) [Oryza sativa]'		
Seq. No.	14193	Seq. ID	OJ990627_45.9922.C2
Gene No.	30221	Strand	+
Start	1	End	597
Name	OJ990627_45.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	597
GI	6016876	Score	313
Exons	1..62, 143..262, 562..597		
GI Descrip.	(AP000570) ESTs C99053(E4383),C99052(E4383) correspond to a region of the predicted gene.; Similar to putative RNA helicase. (AC005309) [Oryza sativa]		
Seq. No.	14193	Seq. ID	OJ990627_45.9922.C2
Gene No.	30221	Strand	+
Start	1	End	597
Name	OJ990627_45.9922.C2.o1.gs	Method	GENSCAN
Start	9	End	262
GI	none	Score	.94
Exons	9..62, 143..262		
Seq. No.	14194	Seq. ID	OJ990627_45.9922.C3
Gene No.	30222	Strand	+
Start	13	End	1749
Name	OJ990627_45.9922.C3.o1.gs	Method	GENSCAN
Start	13	End	1749

GI	none	Score	.6
Exons	13..98, 130..234, 687..932, 1536..1609, 1633..1749		

Seq. No.	14194	Seq. ID	OJ990627_45.9922.C3
Gene No.	30223	Strand	-
Start	692	End	2055
Name	OJ990627_45.9922.C3.o1.np	Method	AAT/NAP
Start	692	End	2055
GI	5922628	Score	121
Exons	692..903, 1998..2055		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	14195	Seq. ID	OJ990627_45.9922.C4
Gene No.	30224	Strand	+
Start	103	End	5424
Name	OJ990627_45.9922.C4.o1.np	Method	AAT/NAP
Start	103	End	5424
GI	3044086	Score	141
Exons	103..695, 3003..3273, 5362..5424		
GI Descrip.	(AF055904) unknown [Myxococcus xanthus]		

Seq. No.	14195	Seq. ID	OJ990627_45.9922.C4
Gene No.	30224	Strand	+
Start	103	End	5424
Name	OJ990627_45.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	3979	End	4488
GI	none	Score	69
Exons	3979..4059, 4015..4377, 4113..4373, 4126..4377, 4375..4452, 4389..4457, 4393..4455, 4450..4488		

Seq. No.	14195	Seq. ID	OJ990627_45.9922.C4
Gene No.	30224	Strand	+
Start	103	End	5424
Name	OJ990627_45.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	4582	End	4898
GI	none	Score	91
Exons	4582..4662, 4651..4890, 4672..4896, 4677..4898		

Seq. No.	14195	Seq. ID	OJ990627_45.9922.C4
Gene No.	30224	Strand	+
Start	103	End	5424
Name	OJ990627_45.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	5093	End	5421
GI	none	Score	101
Exons	5093..5305, 5094..5297, 5095..5421, 5115..5390		

Seq. No.	14196	Seq. ID	OJ990627_45.9922.C7
Gene No.	30225	Strand	+
Start	408	End	593
Name	OJ990627_45.9922.C7.o1.gp	Method	AAT/GAP
Start	408	End	593
GI	21490_1.R1084	Score	352
Exons	408..593		
GI Descrip.	'3738297 8.0e-30 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	14196	Seq. ID	OJ990627_45.9922.C7
Gene No.	30226	Strand	-
Start	331	End	492
Name	OJ990627_45.9922.C7.o1.gs	Method	GENSCAN
Start	331	End	492
GI	none	Score	.66
Exons	331..492		

Seq. No.	14197	Seq. ID	OJ990627_45.9922.C8
Gene No.	30227	Strand	-
Start	1	End	2011
Name	OJ990627_45.9922.C8.o2.np	Method	AAT/NAP
Start	1	End	2011
GI	6644161	Score	263
Exons	1..22, 707..1239, 1964..2011		
GI Descrip.	(AF206721) ascorbate oxidase [Brassica juncea]		

Seq. No.	14197	Seq. ID	OJ990627_45.9922.C8
Gene No.	30227	Strand	-
Start	1	End	2011
Name	OJ990627_45.9922.C8.o1.np	Method	AAT/NAP
Start	197	End	2011
GI	282994	Score	160
Exons	197..263, 635..825, 1990..2011		
GI Descrip.	Sip1 protein - barley gi|167100 (M77475) seed imbibition protein [Hordeum vulgare]		

Seq. No.	14197	Seq. ID	OJ990627_45.9922.C8
Gene No.	30227	Strand	-
Start	1	End	2011
Name	OJ990627_45.9922.C8.o1.gs	Method	GENSCAN
Start	566	End	1117
GI	none	Score	.7
Exons	566..1117		

Seq. No.	14197	Seq. ID	OJ990627_45.9922.C8
Gene No.	30227	Strand	-
Start	1	End	2011
Name	OJ990627_45.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	633	End	871
GI	none	Score	100
Exons	633..734, 635..733, 761..823, 766..867, 767..871		

Seq. No.	14197	Seq. ID	OJ990627_45.9922.C8
Gene No.	30227	Strand	-
Start	1	End	2011
Name	OJ990627_45.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	835	End	1236
GI	none	Score	71
Exons	835..909, 977..1096, 981..1079, 1144..1236, 1166..1228		

Seq. No.	14197	Seq. ID	OJ990627_45.9922.C8
Gene No.	30227	Strand	-
Start	1	End	2011
Name	OJ990627_45.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	973	End	1088

GI	none	Score	113
Exons	973..1059, 977..1087, 977..1087, 978..1088, 1053..1088		

Seq. No.	14198	Seq. ID	OJ990627_45.9922.C9
Gene No.	30228	Strand	+
Start	584	End	6658
Name	OJ990627_45.9922.C9.o1.np	Method	AAT/NAP
Start	584	End	6658
GI	5295955	Score	495
Exons	584..1245, 1291..1420, 4585..4708, 5455..5837, 5916..5995, 6035..6392, 6456..6658		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	14198	Seq. ID	OJ990627_45.9922.C9
Gene No.	30229	Strand	-
Start	301	End	2924
Name	OJ990627_45.9922.C9.o1.gs	Method	GENSCAN
Start	301	End	2924
GI	none	Score	.63
Exons	301..391, 658..1036, 1042..1117, 1245..1400, 2140..2382, 2862..2924		

Seq. No.	14198	Seq. ID	OJ990627_45.9922.C9
Gene No.	30230	Strand	-
Start	3057	End	3154
Name	OJ990627_45.9922.C9.o1.gp	Method	AAT/GAP
Start	3057	End	3154
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	3057..3154		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	14198	Seq. ID	OJ990627_45.9922.C9
Gene No.	30231	Strand	-
Start	3978	End	7904
Name	OJ990627_45.9922.C9.o2.gp	Method	AAT/GAP
Start	3904	End	4012
GI	uC-osflcyp088b12b1	Score	152
Exons	3904..4012		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	14198	Seq. ID	OJ990627_45.9922.C9
Gene No.	30231	Strand	-
Start	3978	End	7904
Name	OJ990627_45.9922.C9.o2.gs	Method	GENSCAN
Start	3978	End	7904
GI	none	Score	.77
Exons	3978..4037, 5755..5840, 5932..6046, 6399..6507, 7174..7234, 7865..7904		

Seq. No.	14198	Seq. ID	OJ990627_45.9922.C9
Gene No.	30232	Strand	-
Start	8262	End	9099
Name	OJ990627_45.9922.C9.o1.ts	Method	TBLASTX:Soybean

Start	2119	End	2319
GI	none	Score	170
Exons	2119..2319, 2138..2296		

Seq. No.	14198	Seq. ID	OJ990627_45.9922.C9
Gene No.	30232	Strand	-
Start	8262	End	9099
Name	OJ990627_45.9922.C9.o3.gs	Method	GENSCAN
Start	8262	End	9099
GI	none	Score	.72
Exons	8262..8404, 9084..9099		

Seq. No.	14198	Seq. ID	OJ990627_45.9922.C9
Gene No.	30232	Strand	-
Start	8262	End	9099
Name	OJ990627_45.9922.C9.o4.gp	Method	AAT/GAP
Start	8721	End	8830
GI	uC-osflcyp088b12b1	Score	153
Exons	8721..8830		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	14199	Seq. ID	OJ990627_45.9922.C10
Gene No.	30233	Strand	+
Start	2639	End	3847
Name	OJ990627_45.9922.C10.o2.gp	Method	AAT/GAP
Start	2639	End	3847
GI	none	Score	982
Exons	2639..2700, 2986..3246, 3651..3847		

Seq. No.	14199	Seq. ID	OJ990627_45.9922.C10
Gene No.	30234	Strand	-
Start	1427	End	3663
Name	OJ990627_45.9922.C10.o1.np	Method	AAT/NAP
Start	1386	End	2004
GI	4220517	Score	339
Exons	1386..1816, 1846..2004		
GI Descrip.	(AL035356) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14199	Seq. ID	OJ990627_45.9922.C10
Gene No.	30234	Strand	-
Start	1427	End	3663
Name	OJ990627_45.9922.C10.o1.gs	Method	GENSCAN
Start	1427	End	3663
GI	none	Score	.43
Exons	1427..1888, 1912..2058, 2411..2481, 3630..3663		

Seq. No.	14199	Seq. ID	OJ990627_45.9922.C10
Gene No.	30234	Strand	-
Start	1427	End	3663
Name	OJ990627_45.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	1709	End	2019
GI	none	Score	65
Exons	1709..1816, 1716..1796, 1840..2019, 1907..1960		

Seq. No.	14199	Seq. ID	OJ990627_45.9922.C10
Gene No.	30234	Strand	-

Start	1427	End	3663
Name	OJ990627_45.9922.C10.o1.gp	Method	AAT/GAP
Start	1970	End	2148
GI	none	Score	256
Exons	1970..2148		

Seq. No.	14199	Seq. ID	OJ990627_45.9922.C10
Gene No.	30234	Strand	-
Start	1427	End	3663
Name	OJ990627_45.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	2815	End	3243
GI	none	Score	36
Exons	2815..2868, 2990..3052, 2991..3053, 3042..3242, 3048..3242, 3076..3243		

Seq. No.	14199	Seq. ID	OJ990627_45.9922.C10
Gene No.	30234	Strand	-
Start	1427	End	3663
Name	OJ990627_45.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	2979	End	3166
GI	none	Score	260
Exons	2979..3161, 2984..3166, 2984..3160		

Seq. No.	14200	Seq. ID	OJ990627_45.9922.C11
Gene No.	30235	Strand	-
Start	1	End	626
Name	OJ990627_45.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	626
GI	2498930	Score	720
Exons	1..398, 566..626		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	14200	Seq. ID	OJ990627_45.9922.C11
Gene No.	30235	Strand	-
Start	1	End	626
Name	OJ990627_45.9922.C11.o1.gs	Method	GENSCAN
Start	96	End	625
GI	none	Score	.47
Exons	96..398, 566..625		

Seq. No.	14201	Seq. ID	OJ990627_45.9922.C12
Gene No.	30236	Strand	+
Start	1094	End	4036
Name	OJ990627_45.9922.C12.o1.gs	Method	GENSCAN
Start	1094	End	3755
GI	none	Score	.99
Exons	1094..1139, 3058..3177, 3322..3755		

Seq. No.	14201	Seq. ID	OJ990627_45.9922.C12
Gene No.	30236	Strand	+
Start	1094	End	4036
Name	OJ990627_45.9922.C12.o1.gp	Method	AAT/GAP
Start	3299	End	4036
GI	15580_1.R1084	Score	1464
Exons	3299..4036		
GI Descrip.	'6016877/dbj|BAA85220.1| 1.0e-27 (AP000570) ESTs		

AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'

Seq. No.	14201	Seq. ID	OJ990627_45.9922.C12
Gene No.	30236	Strand	+
Start	1094	End	4036
Name	OJ990627_45.9922.C12.o1.np	Method	AAT/NAP
Start	3331	End	3723
GI	6016877	Score	664
Exons	3331..3723		
GI Descrip.	(AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	14201	Seq. ID	OJ990627_45.9922.C12
Gene No.	30236	Strand	+
Start	1094	End	4036
Name	OJ990627_45.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	3564	End	3729
GI	none	Score	229
Exons	3564..3581, 3580..3729, 3603..3728		

Seq. No.	14201	Seq. ID	OJ990627_45.9922.C12
Gene No.	30236	Strand	+
Start	1094	End	4036
Name	OJ990627_45.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	3565	End	3720
GI	none	Score	217
Exons	3565..3720, 3603..3719		

Seq. No.	14201	Seq. ID	OJ990627_45.9922.C12
Gene No.	30236	Strand	+
Start	1094	End	4036
Name	OJ990627_45.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	3589	End	3720
GI	none	Score	202
Exons	3589..3720, 3618..3719		

Seq. No.	14202	Seq. ID	OJ990627_45.9922.C14
Gene No.	30237	Strand	+
Start	22	End	99
Name	OJ990627_45.9922.C14.o1.gs	Method	GENSCAN
Start	22	End	99
GI	none	Score	.68
Exons	22..99		

Seq. No.	14203	Seq. ID	OJ990627_45.9922.C15
Gene No.	30238	Strand	+
Start	1205	End	1314
Name	OJ990627_45.9922.C15.o1.gs	Method	GENSCAN
Start	1205	End	1314
GI	none	Score	.73
Exons	1205..1314		

Seq. No.	14204	Seq. ID	OJ990627_45.9922.C16
Gene No.	30239	Strand	-
Start	600	End	6053

Name	OJ990627_45.9922.C16.o1.gs	Method	GENSCAN
Start	600	End	6053
GI	none	Score	.61
Exons	600..719, 1090..1122, 1195..1216, 1242..1392, 1481..1556, 2063..2476, 2643..2745, 5656..6053		

Seq. No.	14204	Seq. ID	OJ990627_45.9922.C16
Gene No.	30239	Strand	-
Start	600	End	6053
Name	OJ990627_45.9922.C16.o1.np	Method	AAT/NAP
Start	2136	End	4067
GI	5852093	Score	43
Exons	2136..2154, 3883..4067		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	14204	Seq. ID	OJ990627_45.9922.C16
Gene No.	30239	Strand	-
Start	600	End	6053
Name	OJ990627_45.9922.C16.o2.np	Method	AAT/NAP
Start	5684	End	5835
GI	1399183	Score	42
Exons	5684..5835		
GI Descrip.	(U50739) Lycopene beta cyclase [Arabidopsis thaliana] gi|6056202|gb|AAF02819.1|AC009400_15 (AC009400) lycopene beta cyclase [Arabidopsis thaliana]		

Seq. No.	14204	Seq. ID	OJ990627_45.9922.C16
Gene No.	30240	Strand	-
Start	6934	End	7014
Name	OJ990627_45.9922.C16.o1.gp	Method	AAT/GAP
Start	6934	End	7014
GI	38012_1.R1084	Score	111
Exons	6934..7014		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	14205	Seq. ID	OJ990627_45.9922.C17
Gene No.	30241	Strand	-
Start	377	End	479
Name	OJ990627_45.9922.C17.o1.gs	Method	GENSCAN
Start	377	End	479
GI	none	Score	.81
Exons	377..479		

Seq. No.	14206	Seq. ID	OJ990627_45.9922.C18
Gene No.	30242	Strand	+
Start	122	End	340
Name	OJ990627_45.9922.C18.o1.gs	Method	GENSCAN
Start	122	End	328
GI	none	Score	.52
Exons	122..328		

Seq. No.	14206	Seq. ID	OJ990627_45.9922.C18
Gene No.	30242	Strand	+
Start	122	End	340
Name	OJ990627_45.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	127	End	329

GI	none	Score	301
Exons	127..327, 138..323, 165..329		
Seq. No.	14206	Seq. ID	OJ990627_45.9922.C18
Gene No.	30242	Strand	+
Start	122	End	340
Name	OJ990627_45.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	130	End	340
GI	none	Score	300
Exons	130..306, 135..317, 136..327, 257..340		
Seq. No.	14206	Seq. ID	OJ990627_45.9922.C18
Gene No.	30242	Strand	+
Start	122	End	340
Name	OJ990627_45.9922.C18.o1.np	Method	AAT/NAP
Start	131	End	328
GI	4753653	Score	216
Exons	131..328		
GI Descrip.	(AL049751) putative protein [Arabidopsis thaliana]		
Seq. No.	14206	Seq. ID	OJ990627_45.9922.C18
Gene No.	30242	Strand	+
Start	122	End	340
Name	OJ990627_45.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	135	End	327
GI	none	Score	292
Exons	135..317, 136..327		
Seq. No.	14206	Seq. ID	OJ990627_45.9922.C18
Gene No.	30242	Strand	+
Start	122	End	340
Name	OJ990627_45.9922.C18.o1.gp	Method	AAT/GAP
Start	136	End	328
GI	21490_1.R1084	Score	336
Exons	136..328		
GI Descrip.	'3738297 8.0e-30 (AC005309) unknown protein [Arabidopsis thaliana]'		
Seq. No.	14207	Seq. ID	OJ990627_45.9922.C19
Gene No.	30243	Strand	+
Start	131	End	257
Name	OJ990627_45.9922.C19.o1.gs	Method	GENSCAN
Start	131	End	257
GI	none	Score	.94
Exons	131..257		
Seq. No.	14208	Seq. ID	OJ990627_45.9922.C20
Gene No.	30244	Strand	+
Start	1	End	310
Name	OJ990627_45.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	307
GI	6755654	Score	248
Exons	1..127, 169..307		
GI Descrip.	sprouty homolog 4 (Drosophila) gi|5917720|gb|AAD56007.1|AF176906_1 (AF176906) sprouty 4 [Mus musculus]		

Seq. No.	14208	Seq. ID	OJ990627_45.9922.C20
Gene No.	30244	Strand	+
Start	1	End	310
Name	OJ990627_45.9922.C20.o1.gs	Method	GENSCAN
Start	156	End	310
GI	none	Score	.94
Exons	156..310		

Seq. No.	14209	Seq. ID	OJ990627_45.9922.C21
Gene No.	30245	Strand	-
Start	168	End	237
Name	OJ990627_45.9922.C21.o1.gs	Method	GENSCAN
Start	168	End	237
GI	none	Score	.99
Exons	168..237		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30246	Strand	+
Start	267	End	1242
Name	OJ990627_45.9922.C22.o1.gp	Method	AAT/GAP
Start	267	End	1242
GI	18094_1.R1084	Score	867
Exons	267..286, 771..1242		
GI Descrip.	'6016872/dbj|BAA85215.1| 2.0e-43 (AP000570) EST AU058127(S5254) corresponds to a region of the predicted gene.; Similar to dynein light chain 1, cytoplasmic. (Q24117) [Oryza sativa]'		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30246	Strand	+
Start	267	End	1242
Name	OJ990627_45.9922.C22.o1.np	Method	AAT/NAP
Start	772	End	851
GI	6016872	Score	112
Exons	772..851		
GI Descrip.	(AP000570) EST AU058127(S5254) corresponds to a region of the predicted gene.; Similar to dynein light chain 1, cytoplasmic. (Q24117) [Oryza sativa]		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30247	Strand	+
Start	4683	End	4908
Name	OJ990627_45.9922.C22.o3.gp	Method	AAT/GAP
Start	4683	End	4908
GI	2312838	Score	80
Exons	4683..4742, 4888..4908		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30248	Strand	-
Start	3106	End	3550
Name	OJ990627_45.9922.C22.o2.gp	Method	AAT/GAP
Start	2723	End	3550
GI	352_1.R1084	Score	1561
Exons	2723..3550		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30248	Strand	-
Start	3106	End	3550
Name	OJ990627_45.9922.C22.o2.np	Method	AAT/NAP
Start	2771	End	3426
GI	1184112	Score	1099
Exons	2771..3426		
GI Descrip.	(U46138) Zn-induced protein [Oryza sativa]		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30248	Strand	-
Start	3106	End	3550
Name	OJ990627_45.9922.C22.o1.gs	Method	GENSCAN
Start	3106	End	3426
GI	none	Score	.99
Exons	3106..3426		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30249	Strand	-
Start	3597	End	9300
Name	OJ990627_45.9922.C22.o2.gs	Method	GENSCAN
Start	3597	End	9300
GI	none	Score	.46
Exons	3597..3825, 5859..5992, 6343..6646, 7124..7463, 7581..7760, 8154..8313, 8704..8936, 9001..9138, 9222..9300		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30249	Strand	-
Start	3597	End	9300
Name	OJ990627_45.9922.C22.o3.np	Method	AAT/NAP
Start	3600	End	9300
GI	6016874	Score	3010
Exons	3600..3825, 5859..5992, 6343..6646, 7124..7463, 7581..7760, 8154..8313, 8704..8936, 9001..9138, 9222..9300		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30249	Strand	-
Start	3597	End	9300
Name	OJ990627_45.9922.C22.o4.gp	Method	AAT/GAP
Start	8103	End	8611
GI	uC-osflcyp110c07b1	Score	970
Exons	8103..8611		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o6.tm	Method	TBLASTX:Maize
Start	770	End	995
GI	none	Score	149
Exons	770..856, 771..860, 774..869, 775..864, 894..995, 896..958,		

903..971

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o3.tm	Method	TBLASTX:Maize
Start	7186	End	7429
GI	none	Score	97
Exons	7186..7419, 7271..7429		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o5.tm	Method	TBLASTX:Maize
Start	7541	End	7893
GI	none	Score	136
Exons	7541..7882, 7612..7893		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o4.tm	Method	TBLASTX:Maize
Start	8098	End	8412
GI	none	Score	108
Exons	8098..8325, 8099..8317, 8338..8412		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o2.tm	Method	TBLASTX:Maize
Start	8506	End	8952
GI	none	Score	94
Exons	8506..8544, 8539..8595, 8632..8880, 8672..8881, 8866..8952		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o3.gs	Method	GENSCAN
Start	10939	End	16021
GI	none	Score	.54
Exons	10939..11415, 12208..12402, 14343..14476, 14585..14746, 15913..16021		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o5.gp	Method	AAT/GAP
Start	11924	End	12097
GI	5900647	Score	296
Exons	11924..12097		
GI Descrip.	6016875/dbj|BAA85218.1| 3.0e-11 (AP000570) EST AU078302(C63241) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021

Name	OJ990627_45.9922.C22.o4.np	Method	AAT/NAP
Start	12013	End	16021
GI	6016875	Score	1084
Exons	12013..12096, 12208..12402, 14343..14476, 14585..14746, 15913..16021		
GI Descrip.	(AP000570) EST AU078302(C63241) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	12152	End	12549
GI	none	Score	372
Exons	12152..12547, 12152..12265, 12169..12549		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o1.ts	Method	TBLASTX:Soybean
Start	12161	End	12516
GI	none	Score	216
Exons	12161..12502, 12169..12516		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	12226	End	12538
GI	none	Score	273
Exons	12226..12501, 12226..12525, 12323..12520, 12368..12538		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o6.gp	Method	AAT/GAP
Start	12234	End	12526
GI	LIB3433-006-Q6-K6-G9	Score	499
Exons	12234..12526		
GI Descrip.	'6016875/dbj|BAA85218.1| 2.0e-14 (AP000570) EST AU078302(C63241) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	14210	Seq. ID	OJ990627_45.9922.C22
Gene No.	30250	Strand	-
Start	10939	End	16021
Name	OJ990627_45.9922.C22.o1.tc	Method	TBLASTX:Cress
Start	12268	End	12502
GI	none	Score	67
Exons	12268..12447, 12268..12501, 12320..12502		

Seq. No.	14211	Seq. ID	OJ990627_45.9922.C23
Gene No.	30251	Strand	+
Start	2732	End	4013
Name	OJ990627_45.9922.C23.o1.gs	Method	GENSCAN
Start	2732	End	4013
GI	none	Score	.51

Exons	2732..2783, 2898..3188, 3290..3390, 3423..3523, 3897..4013		
Seq. No.	14211	Seq. ID	OJ990627_45.9922.C23
Gene No.	30251	Strand	+
Start	2732	End	4013
Name	OJ990627_45.9922.C23.o1.np	Method	AAT/NAP
Start	3087	End	3991
GI	5852178	Score	478
Exons	3087..3391, 3423..3534, 3897..3991		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	14211	Seq. ID	OJ990627_45.9922.C23
Gene No.	30252	Strand	-
Start	693	End	1048
Name	OJ990627_45.9922.C23.o1.gp	Method	AAT/GAP
Start	693	End	1048
GI	3761181	Score	440
Exons	693..939, 1027..1048		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	14211	Seq. ID	OJ990627_45.9922.C23
Gene No.	30253	Strand	-
Start	5139	End	5809
Name	OJ990627_45.9922.C23.o2.gs	Method	GENSCAN
Start	5139	End	5809
GI	none	Score	.56
Exons	5139..5163, 5631..5653, 5783..5809		
Seq. No.	14212	Seq. ID	OJ990627_45.9922.C24
Gene No.	30254	Strand	+
Start	104	End	407
Name	OJ990627_45.9922.C24.o1.gs	Method	GENSCAN
Start	104	End	407
GI	none	Score	.52
Exons	104..407		
Seq. No.	14212	Seq. ID	OJ990627_45.9922.C24
Gene No.	30255	Strand	-
Start	1	End	1116
Name	OJ990627_45.9922.C24.o1.np	Method	AAT/NAP
Start	1	End	1116
GI	6016874	Score	351
Exons	1..345, 791..1116		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	14212	Seq. ID	OJ990627_45.9922.C24
Gene No.	30255	Strand	-
Start	1	End	1116
Name	OJ990627_45.9922.C24.o2.gs	Method	GENSCAN
Start	797	End	1035
GI	none	Score	.97
Exons	797..1035		
Seq. No.	14212	Seq. ID	OJ990627_45.9922.C24

Gene No.	30255	Strand	-
Start	1	End	1116
Name	OJ990627_45.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	866	End	1115
GI	none	Score	236
Exons	866..1111, 867..1115		

Seq. No.	14212	Seq. ID	OJ990627_45.9922.C24
Gene No.	30255	Strand	-
Start	1	End	1116
Name	OJ990627_45.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	897	End	1105
GI	none	Score	84
Exons	897..1100, 899..1105		

Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30256	Strand	+
Start	922	End	1510
Name	OJ990627_46.9920.C1.o1.gp	Method	AAT/GAP
Start	922	End	1510
GI	none	Score	1106
Exons	922..1510		

Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o1.tm	Method	TBLASTX:Maize
Start	1248	End	2967
GI	none	Score	85
Exons	1248..1808, 1263..1322, 1264..1794, 1805..1885, 1806..1886, 1815..2051, 1816..2049, 2126..2254, 2128..2253, 2144..2254, 2208..2255, 2337..2570, 2342..2569, 2635..2967, 2637..2942, 2872..2943		

Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o1.np	Method	AAT/NAP
Start	1253	End	3004
GI	5302810	Score	1337
Exons	1253..2048, 2143..2253, 2342..2557, 2640..3004		
GI Descrip.	(Z97342) putative beta-amylase [Arabidopsis thaliana]		

Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o1.gs	Method	GENSCAN
Start	1260	End	3131
GI	none	Score	.95
Exons	1260..2048, 2143..2253, 2342..2552, 2635..3131		

Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o1.tc	Method	TBLASTX:Cress
Start	1317	End	2245
GI	none	Score	80

Exons	1317..1442, 1501..1584, 1503..1583, 1584..1811, 1591..1812, 1818..1919, 1831..1968, 1923..2051, 1933..2028, 2138..2245, 2143..2244		
Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o1.ts	Method	TBLASTX:Soybean
Start	1332	End	2924
GI	none	Score	340
Exons	1332..1442, 1495..1806, 1509..1814, 1812..2051, 1813..2049, 2138..2254, 2143..2253, 2153..2254, 2337..2570, 2342..2569, 2640..2870, 2641..2871, 2877..2924, 2878..2916		
Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o2.tw	Method	TBLASTX:Wheat
Start	1621	End	1977
GI	none	Score	123
Exons	1621..1809, 1629..1805, 1795..1977, 1806..1976		
Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o2.gp	Method	AAT/GAP
Start	1845	End	2761
GI	27155_1.R1084	Score	1204
Exons	1845..2048, 2143..2253, 2342..2552, 2635..2761		
GI Descrip.	'6065749/emb|CAB58423.1| 3.0e-87 (AJ250341) beta-amylase enzyme [Arabidopsis thaliana]'		
Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o3.gp	Method	AAT/GAP
Start	1887	End	2853
GI	27155_1.R1084	Score	1260
Exons	1887..2048, 2143..2253, 2342..2552, 2635..2853		
GI Descrip.	'6065749/emb|CAB58423.1| 3.0e-87 (AJ250341) beta-amylase enzyme [Arabidopsis thaliana]'		
Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o4.gp	Method	AAT/GAP
Start	1975	End	2941
GI	27155_1.R1084	Score	1217
Exons	1975..2048, 2143..2253, 2342..2552, 2635..2941		
GI Descrip.	'6065749/emb|CAB58423.1| 3.0e-87 (AJ250341) beta-amylase enzyme [Arabidopsis thaliana]'		
Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o1.tw	Method	TBLASTX:Wheat
Start	2339	End	2822

GI	none	Score	96
Exons	2339..2569, 2376..2570, 2608..2700, 2637..2810, 2757..2822		

Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o2.tc	Method	TBLASTX:Cress
Start	2369	End	2954
GI	none	Score	126
Exons	2369..2569, 2376..2570, 2635..2847, 2640..2861, 2766..2861, 2868..2954, 2869..2919		

Seq. No.	14213	Seq. ID	OJ990627_46.9920.C1
Gene No.	30257	Strand	-
Start	1260	End	3375
Name	OJ990627_46.9920.C1.o5.gp	Method	AAT/GAP
Start	2863	End	3375
GI	none	Score	891
Exons	2863..3375		

Seq. No.	14214	Seq. ID	OJ990627_46.9920.C2
Gene No.	30258	Strand	+
Start	1	End	249
Name	OJ990627_46.9920.C2.o1.np	Method	AAT/NAP
Start	1	End	249
GI	1633168	Score	170
Exons	1..249		
GI Descrip.	Chain A, Lac Repressor gi|1633169|pdb|1LBI|B Chain B, Lac Repressor gi|1633170|pdb|1LBI|C Chain C, Lac Repressor gi|1633171|pdb|1LBI|D Chain D, Lac Repressor gi|1633172|pdb|1LBH|A Chain A, Intact Lactose Operon Repressor With Gratuitous Inducer Iptg gi|1633173|pdb|1LBH|B Chain B, Intact Lactose Operon Repressor With Gratuitous Inducer Iptg gi|1633174|pdb|1LBH|C Chain C, Inta		

Seq. No.	14215	Seq. ID	OJ990627_46.9920.C3
Gene No.	30259	Strand	-
Start	363	End	1281
Name	OJ990627_46.9920.C3.o1.gs	Method	GENSCAN
Start	363	End	1281
GI	none	Score	.81
Exons	363..599, 1096..1281		

Seq. No.	14216	Seq. ID	OJ990627_46.9920.C4
Gene No.	30260	Strand	+
Start	116	End	6490
Name	OJ990627_46.9920.C4.o1.gs	Method	GENSCAN
Start	116	End	6490
GI	none	Score	.55
Exons	116..258, 525..597, 1441..2018, 3295..3427, 4193..4297, 6314..6490		

Seq. No.	14216	Seq. ID	OJ990627_46.9920.C4
Gene No.	30261	Strand	-
Start	11061	End	11419
Name	OJ990627_46.9920.C4.o1.gp	Method	AAT/GAP
Start	11061	End	11419

GI	2309883	Score	467
Exons	11061..11419		
GI Descrip.	2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	14216	Seq. ID	OJ990627_46.9920.C4
Gene No.	30262	Strand	-
Start	12397	End	12459
Name	OJ990627_46.9920.C4.o1.tm	Method	TBLASTX:Maize
Start	4073	End	4348
GI	none	Score	157
Exons	4073..4252, 4111..4251, 4247..4348		

Seq. No.	14216	Seq. ID	OJ990627_46.9920.C4
Gene No.	30262	Strand	-
Start	12397	End	12459
Name	OJ990627_46.9920.C4.o2.gp	Method	AAT/GAP
Start	12397	End	12459
GI	4519257	Score	93
Exons	12397..12459		
GI Descrip.	4519258/dbj|BAA75541.1| 0.0e+00 (AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30263	Strand	+
Start	1	End	3318
Name	OJ990627_46.9920.C5.o1.np	Method	AAT/NAP
Start	1	End	1459
GI	2982289	Score	284
Exons	1..79, 1237..1278, 1380..1459		
GI Descrip.	(AF051229) 60S ribosomal protein L17 [Picea mariana]		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30263	Strand	+
Start	1	End	3318
Name	OJ990627_46.9920.C5.o1.gs	Method	GENSCAN
Start	10	End	3318
GI	none	Score	.42
Exons	10..79, 1380..1403, 1817..1842, 2097..2219, 2260..2480, 2502..2645, 2762..2855, 3136..3318		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30264	Strand	+
Start	14329	End	16593
Name	OJ990627_46.9920.C5.o5.gs	Method	GENSCAN
Start	14329	End	16593
GI	none	Score	.66
Exons	14329..14408, 14888..15035, 15122..15233, 15387..15718, 15756..15850, 16488..16593		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30265	Strand	+
Start	18593	End	25841
Name	OJ990627_46.9920.C5.o3.gp	Method	AAT/GAP
Start	18383	End	18986
GI	73566_1.R1084	Score	607

Exons	18383..18605, 18689..18774, 18885..18986		
GI Descrip.	'4519258/dbj|BAA75541.1| 0.0e+00 (AB017914) L-zip+NBS+LRR [Oryza sativa]'		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30265	Strand	+
Start	18593	End	25841
Name	OJ990627_46.9920.C5.o6.gs	Method	GENSCAN
Start	18593	End	25126
GI	none	Score	.91
Exons	18593..18605, 18689..18774, 18810..18956, 19123..19185, 19747..19833, 21547..21688, 21777..21895, 22083..22199, 22681..22740, 23983..24099, 24196..24273, 24352..24448, 24683..24734, 24826..24896, 24993..25126		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30265	Strand	+
Start	18593	End	25841
Name	OJ990627_46.9920.C5.o3.np	Method	AAT/NAP
Start	18676	End	25841
GI	2459417	Score	1329
Exons	18676..18774, 18885..18956, 19123..19185, 19747..19833, 21547..21688, 21774..21895, 22083..22199, 22488..22583, 22681..22740, 23761..23865, 23983..24099, 24196..24273, 24352..24436, 24683..24734, 24826..24896, 24993..25083, 25674..25841		
GI Descrip.	(AC002332) putative PRP19-like spliceosomal protein [Arabidopsis thaliana]		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30265	Strand	+
Start	18593	End	25841
Name	OJ990627_46.9920.C5.o4.gp	Method	AAT/GAP
Start	22967	End	25396
GI	514_2.R1084	Score	1716
Exons	22967..23011, 23761..23865, 23983..24099, 24196..24273, 24352..24448, 24683..24734, 24826..24896, 24993..25396		
GI Descrip.	'2459417 3.0e-78 (AC002332) putative pre-mRNA splicing factor PRP19 [Arabidopsis thaliana]'		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30266	Strand	+
Start	25855	End	26122
Name	OJ990627_46.9920.C5.o7.gs	Method	GENSCAN
Start	25855	End	26122
GI	none	Score	.58
Exons	25855..26007, 26060..26122		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30267	Strand	+
Start	26740	End	27261
Name	OJ990627_46.9920.C5.o4.np	Method	AAT/NAP
Start	26740	End	27207
GI	5830791	Score	595
Exons	26740..27207		
GI Descrip.	(AL117188) ribosomal protein L11 homolog [Arabidopsis thaliana]		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30267	Strand	+
Start	26740	End	27261
Name	OJ990627_46.9920.C5.o8.gs	Method	GENSCAN
Start	26740	End	27207
GI	none	Score	.99
Exons	26740..27207		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30267	Strand	+
Start	26740	End	27261
Name	OJ990627_46.9920.C5.o5.gp	Method	AAT/GAP
Start	26775	End	27261
GI	LIB3434-007-P1-K1-A12	Score	864
Exons	26775..27261		
GI Descrip.	'5830791/emb|CAB54877.1| 5.0e-49 (AL117188) ribosomal protein L11 homolog [Arabidopsis thaliana]'		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30268	Strand	-
Start	856	End	1283
Name	OJ990627_46.9920.C5.o1.gp	Method	AAT/GAP
Start	856	End	1283
GI	3090558	Score	781
Exons	856..1283		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30269	Strand	-
Start	4849	End	7323
Name	OJ990627_46.9920.C5.o2.gs	Method	GENSCAN
Start	4849	End	7323
GI	none	Score	.88
Exons	4849..4950, 5100..5175, 5414..5541, 5629..6447, 7192..7323		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30269	Strand	-
Start	4849	End	7323
Name	OJ990627_46.9920.C5.o2.np	Method	AAT/NAP
Start	4852	End	5521
GI	2459418	Score	254
Exons	4852..4953, 5100..5225, 5368..5521		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30270	Strand	-
Start	10474	End	11633
Name	OJ990627_46.9920.C5.o3.gs	Method	GENSCAN
Start	10474	End	11633
GI	none	Score	.88
Exons	10474..10651, 11533..11633		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30271	Strand	-
Start	11913	End	11997
Name	OJ990627_46.9920.C5.o2.gp	Method	AAT/GAP
Start	11913	End	11997
GI	LIB3477-003-P1-K1-E9	Score	98

Exons	11913..11997		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30272	Strand	-
Start	13107	End	13427
Name	OJ990627_46.9920.C5.o4.gs	Method	GENSCAN
Start	13107	End	13427
GI	none	Score	.59
Exons	13107..13427		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o4.tm	Method	TBLASTX:Maize
Start	1212	End	1460
GI	none	Score	88
Exons	1212..1280, 1223..1291, 1233..1292, 1378..1458, 1379..1456, 1383..1460		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o3.ts	Method	TBLASTX:Soybean
Start	18625	End	19833
GI	none	Score	140
Exons	18625..18771, 18631..18771, 18885..18959, 18885..18959, 19120..19185, 19125..19187, 19744..19833, 19747..19833		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o1.tm	Method	TBLASTX:Maize
Start	18670	End	25130
GI	none	Score	152
Exons	18670..18774, 18670..18774, 18882..18959, 18882..18980, 19738..19821, 19739..19822, 19747..19833, 21535..21687, 21542..21688, 21543..21692, 21776..21898, 21776..21895, 21784..21900, 21793..21897, 22080..22199, 22080..22199, 22459..22578, 22475..22582, 22485..22586, 22487..22582, 22677..22739, 22678..22740, 22680..22739, 22681..22740, 22934..23014, 22934..23077, 23750..23869, 23758..23868, 23970..24092, 23977..24099, 24182..24268, 24192..24272, 24193..24279, 24195..24269, 24196..24273, 24347..24448, 24348..24446, 24351..24461, 24352..24447, 24678..24734, 24678..24734, 24679..24741, 24814..24897, 24823..24897, 24824..24910, 24978..25085, 24989..25120, 24991..25083, 24992..25093, 25086..25130		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o2.tc	Method	TBLASTX:Cress
Start	19789	End	25128
GI	none	Score	77

Exons	19789..19833, 21535..21687, 21546..21680, 21773..21898, 21790..21894, 22080..22199, 22080..22187, 22453..22584, 22473..22586, 22487..22585, 22677..22739, 22681..22740, 22934..23014, 23758..23868, 23760..23870, 23760..23867, 23979..24086, 23980..24099, 23982..24089, 24017..24100, 24196..24273, 24198..24272, 24199..24279, 24351..24407, 24352..24435, 24679..24741, 24823..24897, 24824..24904, 24989..25090, 24989..25087, 24991..25128		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o2.ts	Method	TBLASTX:Soybean
Start	21540	End	25090
GI	none	Score	151
Exons	21540..21641, 21547..21654, 21773..21898, 21796..21894, 22078..22185, 22079..22186, 22080..22199, 22465..22575, 22473..22586, 22487..22585, 22681..22740, 22685..22765, 22934..23014, 22936..23013, 23755..23871, 23758..23871, 23760..23876, 23992..24099, 24003..24095, 24010..24099, 24196..24273, 24197..24271, 24198..24272, 24199..24279, 24350..24427, 24351..24458, 24352..24447, 24679..24741, 24681..24734, 24823..24897, 24824..24904, 24989..25090, 24991..25083		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o1.tw	Method	TBLASTX:Wheat
Start	26748	End	26967
GI	none	Score	259
Exons	26748..26963, 26749..26967, 26749..26967		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o1.tc	Method	TBLASTX:Cress
Start	26764	End	27204
GI	none	Score	41
Exons	26764..26799, 26769..27203, 26784..27011, 26848..27204		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o1.ts	Method	TBLASTX:Soybean
Start	26769	End	27204
GI	none	Score	213
Exons	26769..27191, 26772..27203, 26848..27204		
Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o2.tm	Method	TBLASTX:Maize
Start	26979	End	27263
GI	none	Score	99
Exons	26979..27044, 26980..27045, 27039..27218, 27040..27219, 27060..27263, 27077..27256		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o9.gs	Method	GENSCAN
Start	28471	End	30317
GI	none	Score	.75
Exons	28471..28557, 28877..28931, 29290..29382, 29769..29879, 30049..30092, 30195..30317		

Seq. No.	14217	Seq. ID	OJ990627_46.9920.C5
Gene No.	30273	Strand	-
Start	28471	End	30502
Name	OJ990627_46.9920.C5.o3.tm	Method	TBLASTX:Maize
Start	30172	End	30502
GI	none	Score	170
Exons	30172..30345, 30180..30347, 30473..30502, 30473..30502		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30274	Strand	+
Start	2721	End	7436
Name	OJ990627_46.9920.C6.o1.gp	Method	AAT/GAP
Start	2721	End	3303
GI	uC-osrocyp036f06b1	Score	615
Exons	2721..2804, 3058..3303		
GI Descrip.	'4512704/gb|AAD21757.1| 3.0e-21 (AC006569) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30274	Strand	+
Start	2721	End	7436
Name	OJ990627_46.9920.C6.o1.gs	Method	GENSCAN
Start	3058	End	5560
GI	none	Score	.46
Exons	3058..3660, 4165..4251, 4349..5560		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30274	Strand	+
Start	2721	End	7436
Name	OJ990627_46.9920.C6.o1.np	Method	AAT/NAP
Start	3280	End	7436
GI	4512704	Score	275
Exons	3280..3342, 3373..3660, 4165..4251, 4349..4650, 7377..7436		
GI Descrip.	(AC006569) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30274	Strand	+
Start	2721	End	7436
Name	OJ990627_46.9920.C6.o2.gp	Method	AAT/GAP
Start	4162	End	4462
GI	5003451	Score	316
Exons	4162..4251, 4349..4462		
GI Descrip.	4512704/gb|AAD21757.1| 3.0e-21 (AC006569) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30275	Strand	+

Start	12615	End	13946
Name	OJ990627_46.9920.C6.o5.gp	Method	AAT/GAP
Start	12541	End	13946
GI	892_2.R1084	Score	1275
Exons	12541..12850, 13586..13946		
GI Descrip.	'3885884 6.0e-93 (AF093630) 60S ribosomal protein L21 [Oryza sativa]'		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30275	Strand	+
Start	12615	End	13946
Name	OJ990627_46.9920.C6.o3.np	Method	AAT/NAP
Start	12615	End	13840
GI	3885884	Score	792
Exons	12615..12850, 13586..13840		
GI Descrip.	(AF093630) 60S ribosomal protein L21 [Oryza sativa]		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30275	Strand	+
Start	12615	End	13946
Name	OJ990627_46.9920.C6.o4.gs	Method	GENSCAN
Start	12615	End	13843
GI	none	Score	.9
Exons	12615..12667, 12673..12850, 13586..13843		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30276	Strand	-
Start	5682	End	6020
Name	OJ990627_46.9920.C6.o3.gp	Method	AAT/GAP
Start	5682	End	6020
GI	3107492	Score	654
Exons	5682..6020		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30277	Strand	-
Start	6493	End	7251
Name	OJ990627_46.9920.C6.o2.gs	Method	GENSCAN
Start	6493	End	7251
GI	none	Score	.85
Exons	6493..7251		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30277	Strand	-
Start	6493	End	7251
Name	OJ990627_46.9920.C6.o2.np	Method	AAT/NAP
Start	6502	End	7019
GI	4538959	Score	199
Exons	6502..6599, 6630..6733, 6824..7019		
GI Descrip.	(AL049488) putative protein [Arabidopsis thaliana]		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30278	Strand	-
Start	8595	End	11781
Name	OJ990627_46.9920.C6.o2.tm	Method	TBLASTX:Maize
Start	4516	End	5470
GI	none	Score	60
Exons	4516..4584, 4518..4589, 4596..4637, 4613..4888, 4649..4690,		

4732..4911, 4740..4883, 4871..4927, 4921..5115, 4934..5119, 5109..5219, 5117..5212, 5122..5214, 5232..5357, 5248..5358, 5300..5470

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30278	Strand	-
Start	8595	End	11781
Name	OJ990627_46.9920.C6.o3.tm	Method	TBLASTX:Maize
Start	6487	End	6984
GI	none	Score	105
Exons	6487..6597, 6488..6598, 6559..6600, 6658..6708, 6658..6735, 6659..6736, 6811..6897, 6812..6898, 6890..6943, 6952..6984		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30278	Strand	-
Start	8595	End	11781
Name	OJ990627_46.9920.C6.o2.ts	Method	TBLASTX:Soybean
Start	6491	End	6909
GI	none	Score	84
Exons	6491..6598, 6502..6597, 6658..6735, 6659..6742, 6811..6909, 6826..6882		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30278	Strand	-
Start	8595	End	11781
Name	OJ990627_46.9920.C6.o2.tc	Method	TBLASTX:Cress
Start	6502	End	6998
GI	none	Score	84
Exons	6502..6597, 6503..6598, 6661..6735, 6811..6891, 6936..6998		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30278	Strand	-
Start	8595	End	11781
Name	OJ990627_46.9920.C6.o3.gs	Method	GENSCAN
Start	8595	End	11768
GI	none	Score	.88
Exons	8595..8653, 8895..9030, 9156..9259, 9371..9497, 9946..10096, 10751..10803, 11036..11110, 11259..11336, 11452..11541, 11637..11768		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30278	Strand	-
Start	8595	End	11781
Name	OJ990627_46.9920.C6.o4.gp	Method	AAT/GAP
Start	9968	End	11781
GI	none	Score	1024
Exons	9968..10096, 10751..10803, 11036..11110, 11259..11336, 11452..11541, 11637..11781		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30279	Strand	
Start	12612	End	13921
Name	OJ990627_46.9920.C6.o1.tm	Method	TBLASTX:Maize
Start	12612	End	13921
GI	none	Score	85
Exons	12612..12662, 12613..12663, 12614..12682, 12665..12808, 12674..12853, 12676..12852, 13575..13646, 13594..13863,		

13616..13870, 13870..13920, 13871..13921

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30279	Strand	
Start	12612	End	13921
Name	OJ990627_46.9920.C6.o1.tc	Method	TBLASTX:Cress
Start	12614	End	13851
GI	none	Score	77
Exons	12614..12682, 12615..12659, 12668..12808, 12670..12849, 12674..12853, 13583..13843, 13586..13843, 13588..13851, 13588..13845		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30279	Strand	
Start	12612	End	13921
Name	OJ990627_46.9920.C6.o1.tw	Method	TBLASTX:Wheat
Start	12614	End	13876
GI	none	Score	77
Exons	12614..12682, 12615..12659, 12616..12666, 12665..12808, 12673..12714, 12674..12853, 12676..12852, 13575..13646, 13585..13875, 13585..13875, 13586..13876		

Seq. No.	14218	Seq. ID	OJ990627_46.9920.C6
Gene No.	30279	Strand	
Start	12612	End	13921
Name	OJ990627_46.9920.C6.o1.ts	Method	TBLASTX:Soybean
Start	12615	End	13845
GI	none	Score	71
Exons	12615..12659, 12665..12808, 12670..12852, 12674..12853, 13583..13843, 13585..13845, 13586..13843		

Seq. No.	14219	Seq. ID	OJ990627_40.9920.C2
Gene No.	30280	Strand	+
Start	649	End	843
Name	OJ990627_40.9920.C2.o1.gs	Method	GENSCAN
Start	649	End	843
GI	none	Score	.68
Exons	649..843		

Seq. No.	14219	Seq. ID	OJ990627_40.9920.C2
Gene No.	30281	Strand	+
Start	3561	End	3862
Name	OJ990627_40.9920.C2.o2.gs	Method	GENSCAN
Start	3561	End	3862
GI	none	Score	.54
Exons	3561..3622, 3712..3862		

Seq. No.	14219	Seq. ID	OJ990627_40.9920.C2
Gene No.	30282	Strand	-
Start	5689	End	5815
Name	OJ990627_40.9920.C2.o3.gs	Method	GENSCAN
Start	5689	End	5815
GI	none	Score	.57
Exons	5689..5815		

Seq. No.	14220	Seq. ID	OJ990627_40.9920.C3
Gene No.	30283	Strand	-

Start	691	End	1338
Name	OJ990627_40.9920.C3.o1.gs	Method	GENSCAN
Start	691	End	1338
GI	none	Score	.42
Exons	691..1338		

Seq. No.	14221	Seq. ID	OJ990627_40.9920.C4
Gene No.	30284	Strand	-
Start	102	End	175
Name	OJ990627_40.9920.C4.o1.gs	Method	GENSCAN
Start	102	End	175
GI	none	Score	.66
Exons	102..175		

Seq. No.	14222	Seq. ID	OJ990627_40.9920.C5
Gene No.	30285	Strand	+
Start	820	End	3498
Name	OJ990627_40.9920.C5.o1.gs	Method	GENSCAN
Start	820	End	3498
GI	none	Score	.49
Exons	820..1045, 2318..2370, 2655..2855, 3019..3157, 3413..3498		

Seq. No.	14222	Seq. ID	OJ990627_40.9920.C5
Gene No.	30286	Strand	+
Start	7279	End	7714
Name	OJ990627_40.9920.C5.o2.np	Method	AAT/NAP
Start	7279	End	7714
GI	4680185	Score	413
Exons	7279..7714		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	14222	Seq. ID	OJ990627_40.9920.C5
Gene No.	30287	Strand	-
Start	1	End	10462
Name	OJ990627_40.9920.C5.o1.np	Method	AAT/NAP
Start	1	End	8991
GI	5852180	Score	654
Exons	1..27, 1801..1898, 2599..3011, 3062..3179, 4259..4311, 7334..7626, 8911..8991		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	14222	Seq. ID	OJ990627_40.9920.C5
Gene No.	30287	Strand	-
Start	1	End	10462
Name	OJ990627_40.9920.C5.o2.gs	Method	GENSCAN
Start	4010	End	10462
GI	none	Score	.66
Exons	4010..4177, 5386..5536, 7408..7550, 8401..8796, 9059..9345, 9371..9863, 9927..10016, 10028..10462		

Seq. No.	14223	Seq. ID	OJ990627_40.9920.C6
Gene No.	30288	Strand	+
Start	248	End	326
Name	OJ990627_40.9920.C6.o1.gs	Method	GENSCAN
Start	248	End	326
GI	none	Score	.76
Exons	248..326		

Seq. No.	14223	Seq. ID	OJ990627_40.9920.C6
Gene No.	30289	Strand	-
Start	1	End	100
Name	OJ990627_40.9920.C6.o1.gp	Method	AAT/GAP
Start	1	End	100
GI	none	Score	200
Exons	1..100		

Seq. No.	14224	Seq. ID	OJ990627_40.9920.C9
Gene No.	30290	Strand	+
Start	2442	End	4611
Name	OJ990627_40.9920.C9.o1.gs	Method	GENSCAN
Start	2442	End	4611
GI	none	Score	.85
Exons	2442..2681, 2876..2945, 4574..4611		

Seq. No.	14224	Seq. ID	OJ990627_40.9920.C9
Gene No.	30290	Strand	+
Start	2442	End	4611
Name	OJ990627_40.9920.C9.o1.gp	Method	AAT/GAP
Start	3751	End	4132
GI	uC-osflcyp033a04b1	Score	667
Exons	3751..4132		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	14224	Seq. ID	OJ990627_40.9920.C9
Gene No.	30291	Strand	-
Start	2404	End	5224
Name	OJ990627_40.9920.C9.o1.np	Method	AAT/NAP
Start	2404	End	5224
GI	5852180	Score	481
Exons	2404..2835, 2887..3004, 3981..4034, 4991..5224		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	14224	Seq. ID	OJ990627_40.9920.C9
Gene No.	30292	Strand	-
Start	5261	End	5475
Name	OJ990627_40.9920.C9.o2.gs	Method	GENSCAN
Start	5261	End	5475
GI	none	Score	.96
Exons	5261..5475		

Seq. No.	14225	Seq. ID	OJ990627_40.9920.C10
Gene No.	30293	Strand	+
Start	2019	End	4276
Name	OJ990627_40.9920.C10.o1.gs	Method	GENSCAN
Start	2019	End	4276
GI	none	Score	.67
Exons	2019..2699, 3134..3619, 3705..3785, 3818..3974, 4242..4276		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30294	Strand	+
Start	450	End	4728
Name	OJ990627_40.9920.C12.o1.gs	Method	GENSCAN
Start	450	End	4728

GI	none	Score	.87
Exons	450..537, 1686..2052, 2418..2443, 3070..3473, 4702..4728		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30295	Strand	+
Start	5521	End	6718
Name	OJ990627_40.9920.C12.o2.gs	Method	GENSCAN
Start	5521	End	6718
GI	none	Score	.62
Exons	5521..5783, 6077..6474, 6588..6718		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30296	Strand	-
Start	1	End	9228
Name	OJ990627_40.9920.C12.o1.np	Method	AAT/NAP
Start	1	End	4695
GI	5734642	Score	248
Exons	1..201, 4079..4184, 4274..4345, 4471..4539, 4624..4695		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi|6006357|dbj|BAA84787.1| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30296	Strand	-
Start	1	End	9228
Name	OJ990627_40.9920.C12.o2.np	Method	AAT/NAP
Start	4189	End	7691
GI	2497820	Score	214
Exons	4189..4307, 5892..6052, 6137..6332, 7671..7691		
GI Descrip.	DNA REPLICATION LICENSING FACTOR MCM3 HOMOLOG (REPLICATION ORIGIN ACTIVATOR) (ROA PROTEIN) gi|1076823|pir||S52247 probable replication origin activator protein ROA - maize (fragment) gi|609290|emb|CAA82556| (Z29368) ROA protein [Zea mays]		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30296	Strand	-
Start	1	End	9228
Name	OJ990627_40.9920.C12.o3.np	Method	AAT/NAP
Start	6178	End	9228
GI	81286	Score	200
Exons	6178..6251, 6415..6554, 6887..7226, 8730..8846, 9148..9228		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30296	Strand	-
Start	1	End	9228
Name	OJ990627_40.9920.C12.o3.gs	Method	GENSCAN
Start	8693	End	8928
GI	none	Score	.77
Exons	8693..8928		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12

Gene No.	30297	Strand	-
Start	9135	End	9228
Name	OJ990627_40.9920.C12.o1.tw	Method	TBLASTX:Wheat
Start	5827	End	6043
GI	none	Score	63
Exons	5827..5883, 5839..5895, 5840..5887, 5880..5918, 5889..5933, 5891..5977, 5891..5932, 5916..5993, 5918..6043, 5919..6041		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30297	Strand	-
Start	9135	End	9228
Name	OJ990627_40.9920.C12.o1.tm	Method	TBLASTX:Maize
Start	5839	End	6262
GI	none	Score	71
Exons	5839..5895, 5840..5887, 5880..5918, 5889..5933, 5891..5935, 5891..5932, 5917..6036, 5917..6036, 5918..6037, 5918..6043, 6131..6199, 6138..6212, 6138..6203, 6180..6257, 6198..6257, 6205..6261, 6206..6262		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30297	Strand	-
Start	9135	End	9228
Name	OJ990627_40.9920.C12.o1.tc	Method	TBLASTX:Cress
Start	5889	End	6256
GI	none	Score	45
Exons	5889..5933, 5891..5932, 5914..6018, 5917..6036, 5918..6043, 5919..6041, 6137..6223, 6138..6212, 6209..6256		

Seq. No.	14226	Seq. ID	OJ990627_40.9920.C12
Gene No.	30297	Strand	-
Start	9135	End	9228
Name	OJ990627_40.9920.C12.o4.np	Method	AAT/NAP
Start	9135	End	9228
GI	5734621	Score	103
Exons	9135..9228		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	14227	Seq. ID	OJ990627_40.9920.C13
Gene No.	30298	Strand	+
Start	1	End	1227
Name	OJ990627_40.9920.C13.o1.np	Method	AAT/NAP
Start	1	End	1227
GI	5852084	Score	77
Exons	1..48, 1126..1227		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	14227	Seq. ID	OJ990627_40.9920.C13
Gene No.	30298	Strand	+
Start	1	End	1227
Name	OJ990627_40.9920.C13.o1.gs	Method	GENSCAN
Start	61	End	791
GI	none	Score	.81
Exons	61..791		

Seq. No.	14228	Seq. ID	OJ990627_40.9920.C15

Gene No.	30299	Strand	-
Start	44	End	443
Name	OJ990627_40.9920.C15.o1.gs	Method	GENSCAN
Start	44	End	443
GI	none	Score	.9
Exons	44..234, 280..443		

Seq. No.	14229	Seq. ID	OJ990627_40.9920.C16
Gene No.	30300	Strand	+
Start	337	End	455
Name	OJ990627_40.9920.C16.o1.gs	Method	GENSCAN
Start	337	End	455
GI	none	Score	.75
Exons	337..455		

Seq. No.	14230	Seq. ID	OJ990627_40.9920.C18
Gene No.	30301	Strand	-
Start	93	End	214
Name	OJ990627_40.9920.C18.o1.gs	Method	GENSCAN
Start	93	End	214
GI	none	Score	.53
Exons	93..214		

Seq. No.	14231	Seq. ID	OJ990627_40.9920.C19
Gene No.	30302	Strand	-
Start	176	End	218
Name	OJ990627_40.9920.C19.o1.gs	Method	GENSCAN
Start	176	End	218
GI	none	Score	.84
Exons	176..218		

Seq. No.	14232	Seq. ID	OJ990627_40.9920.C20
Gene No.	30303	Strand	+
Start	5285	End	5850
Name	OJ990627_40.9920.C20.o1.np	Method	AAT/NAP
Start	5285	End	5850
GI	3080448	Score	200
Exons	5285..5762, 5802..5850		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	14232	Seq. ID	OJ990627_40.9920.C20
Gene No.	30303	Strand	+
Start	5285	End	5850
Name	OJ990627_40.9920.C20.o1.tm	Method	TBLASTX:Maize
Start	5467	End	5756
GI	none	Score	85
Exons	5467..5538, 5467..5580, 5561..5725, 5570..5746, 5661..5756, 5661..5756		

Seq. No.	14233	Seq. ID	OJ990627_41.9919.C2
Gene No.	30304	Strand	-
Start	1	End	448
Name	OJ990627_41.9919.C2.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6069646	Score	205
Exons	1..252, 419..448		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315)		

[Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30305	Strand	+
Start	4540	End	4631
Name	OJ990627_41.9919.C3.o1.gp	Method	AAT/GAP
Start	4540	End	4631
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	4540..4631		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30306	Strand	+
Start	6249	End	9269
Name	OJ990627_41.9919.C3.o2.gs	Method	GENSCAN
Start	6249	End	8627
GI	none	Score	.4
Exons	6249..6330, 7406..7519, 7594..7825, 8001..8139, 8586..8627		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30306	Strand	+
Start	6249	End	9269
Name	OJ990627_41.9919.C3.o2.np	Method	AAT/NAP
Start	7286	End	9269
GI	5852179	Score	500
Exons	7286..7519, 7594..7828, 9251..9269		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30307	Strand	-
Start	1410	End	4061
Name	OJ990627_41.9919.C3.o1.np	Method	AAT/NAP
Start	1410	End	4061
GI	4558666	Score	2249
Exons	1410..1505, 1601..3751, 3849..4061		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30308	Strand	-
Start	8784	End	8959
Name	OJ990627_41.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	1781	End	2201
GI	none	Score	61
Exons	1781..1888, 2000..2098, 2141..2200, 2145..2201		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30308	Strand	-
Start	8784	End	8959
Name	OJ990627_41.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	2033	End	2683
GI	none	Score	63
Exons	2033..2098, 2141..2380, 2142..2180, 2229..2366, 2429..2683		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30308	Strand	-
Start	8784	End	8959
Name	OJ990627_41.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	2066	End	2755
GI	none	Score	79
Exons	2066..2098, 2141..2380, 2145..2366, 2429..2521, 2531..2728, 2651..2755		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30308	Strand	-
Start	8784	End	8959
Name	OJ990627_41.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	2444	End	2836
GI	none	Score	120
Exons	2444..2836, 2445..2705		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30308	Strand	-
Start	8784	End	8959
Name	OJ990627_41.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	2879	End	3133
GI	none	Score	121
Exons	2879..3133, 2895..3131		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30308	Strand	-
Start	8784	End	8959
Name	OJ990627_41.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	3212	End	3580
GI	none	Score	189
Exons	3212..3265, 3300..3476, 3329..3526, 3527..3580, 3528..3575		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30308	Strand	-
Start	8784	End	8959
Name	OJ990627_41.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	3383	End	4007
GI	none	Score	105
Exons	3383..3469, 3512..3550, 3539..3748, 3849..4007		

Seq. No.	14234	Seq. ID	OJ990627_41.9919.C3
Gene No.	30308	Strand	-
Start	8784	End	8959
Name	OJ990627_41.9919.C3.o3.gs	Method	GENSCAN
Start	8784	End	8959
GI	none	Score	.6
Exons	8784..8959		

Seq. No.	14235	Seq. ID	OJ990627_41.9919.C4
Gene No.	30309	Strand	+
Start	530	End	5732
Name	OJ990627_41.9919.C4.o1.gs	Method	GENSCAN
Start	530	End	5729
GI	none	Score	.67
Exons	530..645, 1127..1244, 1858..1885, 2277..2362, 2447..2594,		

2685..2934, 2992..3139, 3144..3366, 3975..4129, 5464..5535, 5598..5729

Seq. No.	14235	Seq. ID	OJ990627_41.9919.C4
Gene No.	30309	Strand	+
Start	530	End	5732
Name	OJ990627_41.9919.C4.o4.np	Method	AAT/NAP
Start	1835	End	5732
GI	6539580	Score	103
Exons	1835..1879, 5598..5732		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	14235	Seq. ID	OJ990627_41.9919.C4
Gene No.	30310	Strand	-
Start	1766	End	3446
Name	OJ990627_41.9919.C4.o2.np	Method	AAT/NAP
Start	1766	End	3446
GI	6907086	Score	447
Exons	1766..2165, 2392..2667, 2718..3446		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14235	Seq. ID	OJ990627_41.9919.C4
Gene No.	30311	Strand	-
Start	3773	End	5788
Name	OJ990627_41.9919.C4.o3.np	Method	AAT/NAP
Start	3773	End	5788
GI	4680186	Score	183
Exons	3773..3828, 4463..4596, 5174..5346, 5767..5788		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	14236	Seq. ID	OJ990627_41.9919.C6
Gene No.	30312	Strand	+
Start	855	End	1133
Name	OJ990627_41.9919.C6.o1.gs	Method	GENSCAN
Start	855	End	1133
GI	none	Score	.45
Exons	855..1133		

Seq. No.	14237	Seq. ID	OJ990627_41.9919.C7
Gene No.	30313	Strand	-
Start	27	End	716
Name	OJ990627_41.9919.C7.o1.gs	Method	GENSCAN
Start	27	End	716
GI	none	Score	.54
Exons	27..716		

Seq. No.	14238	Seq. ID	OJ990627_41.9919.C8
Gene No.	30314	Strand	-
Start	914	End	1307
Name	OJ990627_41.9919.C8.o1.gs	Method	GENSCAN
Start	914	End	1230
GI	none	Score	.86
Exons	914..1077, 1171..1230		

Seq. No.	14238	Seq. ID	OJ990627_41.9919.C8
Gene No.	30314	Strand	-
Start	914	End	1307

Name	OJ990627_41.9919.C8.o1.np	Method	AAT/NAP
Start	931	End	1307
GI	4538965	Score	183
Exons	931..1077, 1171..1307		
GI Descrip.	(AL049488) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14239	Seq. ID	OJ990627_41.9919.C9
Gene No.	30315	Strand	+
Start	3618	End	4792
Name	OJ990627_41.9919.C9.o2.gs	Method	GENSCAN
Start	3618	End	4792
GI	none	Score	.74
Exons	3618..4053, 4236..4792		

Seq. No.	14239	Seq. ID	OJ990627_41.9919.C9
Gene No.	30316	Strand	-
Start	1	End	5756
Name	OJ990627_41.9919.C9.o1.np	Method	AAT/NAP
Start	1	End	5749
GI	728868	Score	109
Exons	1..27, 2325..2624, 4673..4717, 5719..5749		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		

Seq. No.	14239	Seq. ID	OJ990627_41.9919.C9
Gene No.	30316	Strand	-
Start	1	End	5756
Name	OJ990627_41.9919.C9.o1.gs	Method	GENSCAN
Start	1265	End	2635
GI	none	Score	1
Exons	1265..2635		

Seq. No.	14239	Seq. ID	OJ990627_41.9919.C9
Gene No.	30316	Strand	-
Start	1	End	5756
Name	OJ990627_41.9919.C9.o3.gs	Method	GENSCAN
Start	5441	End	5756
GI	none	Score	.92
Exons	5441..5470, 5646..5756		

Seq. No.	14240	Seq. ID	OJ990627_41.9919.C10
Gene No.	30317	Strand	-
Start	431	End	781
Name	OJ990627_41.9919.C10.o1.gs	Method	GENSCAN
Start	431	End	781
GI	none	Score	.4
Exons	431..583, 669..781		

Seq. No.	14241	Seq. ID	OJ990627_41.9919.C11
Gene No.	30318	Strand	+
Start	390	End	843
Name	OJ990627_41.9919.C11.o1.np	Method	AAT/NAP
Start	390	End	843
GI	6907088	Score	323
Exons	390..527, 703..843		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	14242	Seq. ID	OJ990627_41.9919.C12
Gene No.	30319	Strand	+
Start	2687	End	4571
Name	OJ990627_41.9919.C12.o1.np	Method	AAT/NAP
Start	2687	End	4571
GI	6907086	Score	1252
Exons	2687..3453, 3511..3686, 3918..4030, 4145..4396, 4474..4571		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14242	Seq. ID	OJ990627_41.9919.C12
Gene No.	30320	Strand	+
Start	6764	End	7488
Name	OJ990627_41.9919.C12.o1.gp	Method	AAT/GAP
Start	6764	End	7287
GI	5607584	Score	1006
Exons	6764..7287		
GI Descrip.	3786008 2.0e-16 (AC005499) unknown protein [Arabidopsis thaliana]		

Seq. No.	14242	Seq. ID	OJ990627_41.9919.C12
Gene No.	30320	Strand	+
Start	6764	End	7488
Name	OJ990627_41.9919.C12.o2.np	Method	AAT/NAP
Start	6856	End	7488
GI	3786008	Score	261
Exons	6856..7265, 7297..7488		
GI Descrip.	(AC005499) unknown protein [Arabidopsis thaliana]		

Seq. No.	14242	Seq. ID	OJ990627_41.9919.C12
Gene No.	30321	Strand	-
Start	8089	End	8419
Name	OJ990627_41.9919.C12.o1.tm	Method	TBLASTX:Maize
Start	6805	End	7119
GI	none	Score	42
Exons	6805..6840, 6806..6832, 6940..7050, 6948..7049, 7030..7119, 7047..7106		

Seq. No.	14242	Seq. ID	OJ990627_41.9919.C12
Gene No.	30321	Strand	-
Start	8089	End	8419
Name	OJ990627_41.9919.C12.o2.gs	Method	GENSCAN
Start	8089	End	8419
GI	none	Score	.8
Exons	8089..8268, 8363..8419		

Seq. No.	14243	Seq. ID	OJ990627_41.9919.C13
Gene No.	30322	Strand	+
Start	1	End	115
Name	OJ990627_41.9919.C13.o1.gp	Method	AAT/GAP
Start	1	End	115
GI	5667165	Score	198
Exons	1..115		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	14243	Seq. ID	OJ990627_41.9919.C13
Gene No.	30323	Strand	+
Start	188	End	2178
Name	OJ990627_41.9919.C13.o1.np	Method	AAT/NAP
Start	188	End	2178
GI	6907086	Score	478
Exons	188..562, 737..1191, 1822..2178		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14243	Seq. ID	OJ990627_41.9919.C13
Gene No.	30324	Strand	+
Start	11939	End	13132
Name	OJ990627_41.9919.C13.o4.gs	Method	GENSCAN
Start	11939	End	13132
GI	none	Score	.71
Exons	11939..13132		

Seq. No.	14243	Seq. ID	OJ990627_41.9919.C13
Gene No.	30325	Strand	-
Start	2024	End	5292
Name	OJ990627_41.9919.C13.o2.gs	Method	GENSCAN
Start	2024	End	5292
GI	none	Score	.64
Exons	2024..3423, 4438..4629, 4844..4921, 4986..5292		

Seq. No.	14243	Seq. ID	OJ990627_41.9919.C13
Gene No.	30326	Strand	-
Start	6915	End	11053
Name	OJ990627_41.9919.C13.o3.gs	Method	GENSCAN
Start	6915	End	11053
GI	none	Score	.42
Exons	6915..8279, 8610..8798, 9750..9807, 9813..11053		

Seq. No.	14243	Seq. ID	OJ990627_41.9919.C13
Gene No.	30327	Strand	-
Start	16129	End	16611
Name	OJ990627_41.9919.C13.o1.tm	Method	TBLASTX:Maize
Start	14998	End	15286
GI	none	Score	278
Exons	14998..15228, 14999..15286		

Seq. No.	14243	Seq. ID	OJ990627_41.9919.C13
Gene No.	30327	Strand	-
Start	16129	End	16611
Name	OJ990627_41.9919.C13.o5.gs	Method	GENSCAN
Start	16129	End	16611
GI	none	Score	.76
Exons	16129..16315, 16420..16611		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30328	Strand	+
Start	7296	End	7405
Name	OJ990627_41.9919.C14.o2.gp	Method	AAT/GAP
Start	7296	End	7405
GI	uC-osflcyp082b07a1	Score	159
Exons	7296..7405		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6		

gene, repeat sequence'

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30329	Strand	+
Start	20460	End	20744
Name	OJ990627_41.9919.C14.o5.np	Method	AAT/NAP
Start	20460	End	20744
GI	5441880	Score	322
Exons	20460..20744		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30330	Strand	-
Start	1	End	10363
Name	OJ990627_41.9919.C14.o2.np	Method	AAT/NAP
Start	1	End	10363
GI	6630700	Score	529
Exons	1..298, 6138..6291, 9150..9353, 9848..10363		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30330	Strand	-
Start	1	End	10363
Name	OJ990627_41.9919.C14.o1.np	Method	AAT/NAP
Start	4589	End	6824
GI	1944504	Score	395
Exons	4589..4792, 4899..4968, 5059..5154, 6748..6824		
GI Descrip.	(D64036) protein cdc2 kinase [Oryza sativa]		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30330	Strand	-
Start	1	End	10363
Name	OJ990627_41.9919.C14.o1.gp	Method	AAT/GAP
Start	4669	End	5152
GI	627_1.R1084	Score	460
Exons	4669..4792, 4899..4969, 5060..5152		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30330	Strand	-
Start	1	End	10363
Name	OJ990627_41.9919.C14.o2.gs	Method	GENSCAN
Start	7950	End	9305
GI	none	Score	1
Exons	7950..9305		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30331	Strand	-
Start	18037	End	19236
Name	OJ990627_41.9919.C14.o1.tc	Method	TBLASTX:Cress
Start	4666	End	5155

GI	none	Score	86
Exons	4666..4794, 4712..4798, 4898..4978, 5060..5155, 5061..5153		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30331	Strand	-
Start	18037	End	19236
Name	OJ990627_41.9919.C14.o1.ts	Method	TBLASTX:Soybean
Start	4666	End	5165
GI	none	Score	104
Exons	4666..4794, 4898..4978, 5060..5155, 5061..5153, 5064..5165		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30331	Strand	-
Start	18037	End	19236
Name	OJ990627_41.9919.C14.o1.tm	Method	TBLASTX:Maize
Start	4669	End	5306
GI	none	Score	121
Exons	4669..4791, 4671..4793, 4672..4794, 4682..4798, 4898..4978, 4899..4976, 5060..5155, 5061..5153, 5265..5306		

Seq. No.	14244	Seq. ID	OJ990627_41.9919.C14
Gene No.	30331	Strand	-
Start	18037	End	19236
Name	OJ990627_41.9919.C14.o5.gs	Method	GENSCAN
Start	18037	End	19236
GI	none	Score	.48
Exons	18037..19236		

Seq. No.	14245	Seq. ID	OJ990627_41.9919.C15
Gene No.	30332	Strand	-
Start	1	End	4402
Name	OJ990627_41.9919.C15.o1.np	Method	AAT/NAP
Start	1	End	4402
GI	6539581	Score	2307
Exons	1..1871, 3111..3167, 3273..3720, 3924..3973, 4321..4402		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	14245	Seq. ID	OJ990627_41.9919.C15
Gene No.	30332	Strand	-
Start	1	End	4402
Name	OJ990627_41.9919.C15.o1.tw	Method	TBLASTX:Wheat
Start	1047	End	1479
GI	none	Score	66
Exons	1047..1478, 1048..1242, 1351..1479		

Seq. No.	14245	Seq. ID	OJ990627_41.9919.C15
Gene No.	30332	Strand	-
Start	1	End	4402
Name	OJ990627_41.9919.C15.o1.ts	Method	TBLASTX:Soybean
Start	1110	End	1653
GI	none	Score	137
Exons	1110..1652, 1317..1652, 1501..1653		

Seq. No.	14245	Seq. ID	OJ990627_41.9919.C15
Gene No.	30332	Strand	-
Start	1	End	4402

Name	OJ990627_41.9919.C15.o1.tm	Method	TBLASTX:Maize
Start	1329	End	1712
GI	none	Score	161
Exons	1329..1712, 1341..1709		

Seq. No.	14245	Seq. ID	OJ990627_41.9919.C15
Gene No.	30332	Strand	-
Start	1	End	4402
Name	OJ990627_41.9919.C15.o1.tc	Method	TBLASTX:Cress
Start	1398	End	1718
GI	none	Score	66
Exons	1398..1718, 1497..1691		

Seq. No.	14245	Seq. ID	OJ990627_41.9919.C15
Gene No.	30332	Strand	-
Start	1	End	4402
Name	OJ990627_41.9919.C15.o2.tw	Method	TBLASTX:Wheat
Start	1545	End	1835
GI	none	Score	223
Exons	1545..1835		

Seq. No.	14245	Seq. ID	OJ990627_41.9919.C15
Gene No.	30332	Strand	-
Start	1	End	4402
Name	OJ990627_41.9919.C15.o3.tm	Method	TBLASTX:Maize
Start	1713	End	3173
GI	none	Score	62
Exons	1713..1877, 1729..1902, 3111..3173		

Seq. No.	14245	Seq. ID	OJ990627_41.9919.C15
Gene No.	30332	Strand	-
Start	1	End	4402
Name	OJ990627_41.9919.C15.o2.tm	Method	TBLASTX:Maize
Start	3420	End	3635
GI	none	Score	109
Exons	3420..3635, 3466..3606		

Seq. No.	14246	Seq. ID	OJ990627_41.9919.C17
Gene No.	30333	Strand	-
Start	1	End	421
Name	OJ990627_41.9919.C17.o1.np	Method	AAT/NAP
Start	1	End	421
GI	6907088	Score	386
Exons	1..108, 284..421		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14247	Seq. ID	OJ990627_41.9919.C18
Gene No.	30334	Strand	+
Start	3765	End	3824
Name	OJ990627_41.9919.C18.o1.gp	Method	AAT/GAP
Start	3765	End	3824
GI	428693	Score	96
Exons	3765..3824		
GI Descrip.	551288/emb|CAA83914| 1.0e-45 (Z33611) phosphoglycerate mutase [Zea mays]		

Seq. No.	14247	Seq. ID	OJ990627_41.9919.C18

Gene No.	30335	Strand	-
Start	1124	End	2382
Name	OJ990627_41.9919.C18.o1.tm	Method	TBLASTX:Maize
Start	183	End	454
GI	none	Score	80
Exons	183..242, 186..239, 242..454, 247..384		

Seq. No.	14247	Seq. ID	OJ990627_41.9919.C18
Gene No.	30335	Strand	-
Start	1124	End	2382
Name	OJ990627_41.9919.C18.o1.tw	Method	TBLASTX:Wheat
Start	242	End	643
GI	none	Score	117
Exons	242..391, 485..643		

Seq. No.	14247	Seq. ID	OJ990627_41.9919.C18
Gene No.	30335	Strand	-
Start	1124	End	2382
Name	OJ990627_41.9919.C18.o1.gs	Method	GENSCAN
Start	1124	End	2382
GI	none	Score	.74
Exons	1124..1834, 1900..2382		

Seq. No.	14248	Seq. ID	OJ990627_41.9919.C19
Gene No.	30336	Strand	-
Start	377	End	881
Name	OJ990627_41.9919.C19.o1.tm	Method	TBLASTX:Maize
Start	205	End	469
GI	none	Score	67
Exons	205..324, 328..468, 347..469		

Seq. No.	14248	Seq. ID	OJ990627_41.9919.C19
Gene No.	30336	Strand	-
Start	377	End	881
Name	OJ990627_41.9919.C19.o1.gs	Method	GENSCAN
Start	377	End	881
GI	none	Score	.64
Exons	377..610, 709..881		

Seq. No.	14249	Seq. ID	OJ990627_41.9919.C20
Gene No.	30337	Strand	-
Start	24	End	359
Name	OJ990627_41.9919.C20.o1.gs	Method	GENSCAN
Start	24	End	359
GI	none	Score	.76
Exons	24..359		

Seq. No.	14250	Seq. ID	OJ990627_41.9919.C21
Gene No.	30338	Strand	-
Start	1	End	3021
Name	OJ990627_41.9919.C21.o1.np	Method	AAT/NAP
Start	1	End	3021
GI	3786007	Score	599
Exons	1..58, 145..499, 1085..1380, 1955..1983, 2767..3021		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14250	Seq. ID	OJ990627_41.9919.C21

Gene No.	30338	Strand	-
Start	1	End	3021
Name	OJ990627_41.9919.C21.o1.tc	Method	TBLASTX:Cress
Start	5	End	477
GI	none	Score	150
Exons	5..40, 145..282, 277..477		

Seq. No.	14250	Seq. ID	OJ990627_41.9919.C21
Gene No.	30338	Strand	-
Start	1	End	3021
Name	OJ990627_41.9919.C21.o1.tm	Method	TBLASTX:Maize
Start	5	End	477
GI	none	Score	124
Exons	5..61, 130..423, 149..376, 274..408, 415..477, 433..477		

Seq. No.	14250	Seq. ID	OJ990627_41.9919.C21
Gene No.	30338	Strand	-
Start	1	End	3021
Name	OJ990627_41.9919.C21.o1.gs	Method	GENSCAN
Start	145	End	3021
GI	none	Score	.86
Exons	145..499, 1085..1380, 1603..1652, 1740..1842, 2265..2321, 2505..2552, 2659..2819, 2874..3021		

Seq. No.	14250	Seq. ID	OJ990627_41.9919.C21
Gene No.	30338	Strand	-
Start	1	End	3021
Name	OJ990627_41.9919.C21.o1.ts	Method	TBLASTX:Soybean
Start	187	End	1264
GI	none	Score	71
Exons	187..480, 188..364, 199..480, 263..487, 1064..1264, 1090..1260		

Seq. No.	14250	Seq. ID	OJ990627_41.9919.C21
Gene No.	30338	Strand	-
Start	1	End	3021
Name	OJ990627_41.9919.C21.o1.gp	Method	AAT/GAP
Start	411	End	1662
GI	LIB3432-029-P1-K1-D2	Score	821
Exons	411..499, 1085..1380, 1603..1662		
GI Descrip.	'3786007 8.0e-31 (AC005499) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30339	Strand	+
Start	1	End	1195
Name	OJ990527_36.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	1192
GI	6175158	Score	611
Exons	1..154, 263..337, 414..695, 795..859, 934..994, 1112..1192		
GI Descrip.	(AC010796) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30339	Strand	+
Start	1	End	1195
Name	OJ990527_36.9922.C1.o1.gs	Method	GENSCAN
Start	531	End	1195
GI	none	Score	.74

Exons	531..695, 795..859, 934..994, 1112..1195		
Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30340	Strand	+
Start	1244	End	1672
Name	OJ990527_36.9922.C1.o1.gp	Method	AAT/GAP
Start	1244	End	1672
GI	2800158	Score	715
Exons	1244..1672		
Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	71	End	554
GI	none	Score	110
Exons	71..157, 79..153, 110..157, 260..337, 260..337, 410..553, 411..554, 411..554		
Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	254	End	1207
GI	none	Score	113
Exons	254..337, 262..339, 384..695, 410..712, 931..993, 932..997, 1145..1207		
Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	266	End	676
GI	none	Score	96
Exons	266..337, 411..674, 413..631, 426..674, 494..676		
Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	554	End	1269
GI	none	Score	214
Exons	554..691, 555..695, 555..695, 556..696, 795..860, 801..860, 931..996, 932..994, 935..1000, 936..1001, 1106..1141, 1147..1269, 1148..1189, 1210..1257		
Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o2.gp	Method	AAT/GAP
Start	1868	End	2957
GI	2443_1.R1084	Score	1539
Exons	1868..2253, 2337..2459, 2569..2793, 2862..2957		
GI Descrip.	'2911072/emb|CAA17534.1| 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		
Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1

Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	1968	End	3021
GI	none	Score	46
Exons	1968..2036, 2126..2251, 2130..2258, 2141..2266, 2313..2459, 2338..2475, 2342..2443, 2566..2823, 2567..2794, 2569..2859, 2859..2942, 2860..3021, 2860..2931, 2862..2957		

Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o2.gs	Method	GENSCAN
Start	2137	End	3472
GI	none	Score	.76
Exons	2137..2253, 2337..2459, 2569..2793, 2862..2942, 3348..3472		

Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o2.np	Method	AAT/NAP
Start	2314	End	3796
GI	2911072	Score	423
Exons	2314..2459, 2569..2793, 2862..2942, 3771..3796		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	2337	End	2934
GI	5509682	Score	121
Exons	2337..2474, 2344..2475, 2566..2706, 2567..2794, 2568..2708, 2570..2794, 2749..2823, 2860..2934, 2862..2933		
GI Descrip.	2911072/emb_CAA17534_ 3.0e-40 (AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	14251	Seq. ID	OJ990527_36.9922.C1
Gene No.	30341	Strand	-
Start	1868	End	3796
Name	OJ990527_36.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	2419	End	3048
GI	none	Score	63
Exons	2419..2475, 2430..2474, 2566..2823, 2567..2800, 2855..2938, 2860..3048, 2862..2957		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30342	Strand	+
Start	6967	End	7320
Name	OJ990527_36.9922.C2.o4.gp	Method	AAT/GAP
Start	6967	End	7320
GI	none	Score	341
Exons	6967..7069, 7173..7320		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30343	Strand	-
Start	1	End	5716

Name	OJ990527_36.9922.C2.o1.gp	Method	AAT/GAP
Start	1	End	754
GI	2443_1.R1084	Score	428
Exons	1..123, 206..317, 705..754		
GI Descrip.	'2911072/emb|CAA17534.1| 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30343	Strand	-
Start	1	End	5716
Name	OJ990527_36.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	5716
GI	2911072	Score	708
Exons	1..123, 206..317, 705..853, 927..1021, 1124..1214, 1663..1732, 1903..2034, 2079..2232, 2474..2522, 3833..3922, 4013..4208, 4363..4438, 5676..5716		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30343	Strand	-
Start	1	End	5716
Name	OJ990527_36.9922.C2.o1.gs	Method	GENSCAN
Start	701	End	4526
GI	none	Score	.96
Exons	701..853, 927..1016, 1113..1214, 2105..2232, 2474..2528, 3125..3189, 3476..3545, 3659..3715, 3833..3922, 4013..4208, 4363..4526		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30343	Strand	-
Start	1	End	5716
Name	OJ990527_36.9922.C2.o2.gp	Method	AAT/GAP
Start	1691	End	4039
GI	12241_1.R1084	Score	1039
Exons	1691..1732, 1902..2018, 2105..2232, 2474..2528, 3125..3189, 3476..3545, 3659..3715, 3833..3922, 4013..4039		
GI Descrip.	'2911072/emb|CAA17534.1| 4.0e-18 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30343	Strand	-
Start	1	End	5716
Name	OJ990527_36.9922.C2.o3.gp	Method	AAT/GAP
Start	4088	End	4596
GI	none	Score	547
Exons	4088..4208, 4363..4596		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30343	Strand	-
Start	1	End	5716
Name	OJ990527_36.9922.C2.o2.gs	Method	GENSCAN
Start	5484	End	5703
GI	none	Score	.74
Exons	5484..5594, 5614..5703		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30344	Strand	-

Start	6369	End	7315
Name	OJ990527_36.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	35	End	4150
GI	none	Score	111
Exons	35..100, 37..99, 40..102, 100..126, 189..314, 192..314, 193..318, 194..319, 702..854, 704..856, 705..854, 719..856, 915..1019, 927..1013, 928..1017, 1108..1215, 1125..1217, 1128..1223, 1516..1557, 1649..1735, 1660..1734, 1878..2039, 1893..2021, 1903..2040, 2102..2233, 2106..2231, 2475..2528, 2475..2567, 3127..3195, 3472..3546, 3474..3551, 3474..3545, 3475..3546, 3657..3716, 3659..3721, 3660..3716, 3809..3919, 3833..3913, 4013..4102, 4020..4100, 4088..4150, 4101..4139		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30344	Strand	-
Start	6369	End	7315
Name	OJ990527_36.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	35	End	749
GI	none	Score	111
Exons	35..100, 37..105, 37..99, 38..100, 100..126, 192..314, 194..319, 685..747, 702..746, 704..748, 705..749		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30344	Strand	-
Start	6369	End	7315
Name	OJ990527_36.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	37	End	3555
GI	none	Score	73
Exons	37..99, 206..316, 213..293, 713..871, 717..854, 918..1019, 927..1019, 1131..1217, 1660..1731, 1902..2039, 1903..2016, 2102..2233, 2106..2234, 2475..2567, 3122..3196, 3474..3545, 3475..3555		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30344	Strand	-
Start	6369	End	7315
Name	OJ990527_36.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	719	End	3545
GI	none	Score	62
Exons	719..871, 720..842, 924..1019, 1093..1239, 1119..1178, 1660..1725, 1902..2024, 1903..2016, 2102..2182, 2186..2233, 3465..3545, 3475..3540		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30344	Strand	-
Start	6369	End	7315
Name	OJ990527_36.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	3833	End	4238
GI	none	Score	62
Exons	3833..3922, 4016..4093, 4020..4109, 4094..4210, 4095..4238		

Seq. No.	14252	Seq. ID	OJ990527_36.9922.C2
Gene No.	30344	Strand	-
Start	6369	End	7315
Name	OJ990527_36.9922.C2.o3.gs	Method	GENSCAN
Start	6369	End	7315
GI	none	Score	.78

Exons	6369..6520, 6594..6703, 6856..7315		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30345	Strand	+
Start	2373	End	2661
Name	OJ990527_36.9922.C3.o1.gp	Method	AAT/GAP
Start	2373	End	2661
GI	5039075	Score	551
Exons	2373..2661		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30346	Strand	+
Start	4014	End	7162
Name	OJ990527_36.9922.C3.o2.gs	Method	GENSCAN
Start	4014	End	7162
GI	none	Score	.8
Exons	4014..4030, 4105..4244, 4996..5615, 5807..5950, 6018..6161, 6268..6326, 6397..7162		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30346	Strand	+
Start	4014	End	7162
Name	OJ990527_36.9922.C3.o2.np	Method	AAT/NAP
Start	5549	End	7159
GI	6721561	Score	1020
Exons	5549..5584, 5985..6197, 6268..6326, 6397..7159		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30347	Strand	+
Start	7100	End	12263
Name	OJ990527_36.9922.C3.o4.np	Method	AAT/NAP
Start	7100	End	12263
GI	6721512	Score	98
Exons	7100..7138, 11964..12263		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30348	Strand	-
Start	1	End	3184
Name	OJ990527_36.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	3184
GI	6453908	Score	654
Exons	1..59, 206..308, 403..473, 602..656, 833..936, 1021..1143, 2062..2154, 2225..2475, 2973..3184		
GI Descrip.	(AC011663) putative ABC transporter [Arabidopsis thaliana]		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	3	End	658
GI	none	Score	75

Exons	3..59, 200..310, 204..311, 405..479, 405..479, 596..658, 599..658		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	250	End	1114
GI	none	Score	84
Exons	250..312, 251..310, 399..479, 402..506, 596..667, 600..653, 602..658, 831..944, 832..945, 833..949, 995..1114, 1019..1105, 1021..1113		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	405	End	2312
GI	none	Score	91
Exons	405..479, 596..667, 824..940, 825..950, 827..940, 835..954, 1021..1143, 1031..1144, 1270..1314, 1415..1468, 1973..2092, 2035..2091, 2041..2154, 2096..2155, 2228..2311, 2232..2312		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	830	End	1146
GI	none	Score	63
Exons	830..949, 832..939, 1021..1146, 1022..1144, 1078..1146		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	5329	End	8855
GI	none	Score	350
Exons	5329..5430, 8399..8854, 8400..8855		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	6847	End	9502
GI	none	Score	157
Exons	6847..6864, 6882..6968, 9047..9283, 9057..9281, 9320..9502, 9321..9494		
Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o3.np	Method	AAT/NAP
Start	7097	End	10517
GI	4680183	Score	1191
Exons	7097..7200, 8315..8706, 8794..8835, 9301..10517		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o3.tw	Method	TBLASTX:Wheat
Start	7886	End	8284
GI	none	Score	173
Exons	7886..8284, 7974..8174, 7985..8284		

Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	7976	End	8341
GI	none	Score	96
Exons	7976..8341, 7977..8174		

Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	8072	End	8308
GI	none	Score	69
Exons	8072..8308, 8082..8171		

Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	8369	End	8725
GI	none	Score	209
Exons	8369..8725, 8370..8663, 8423..8671		

Seq. No.	14253	Seq. ID	OJ990527_36.9922.C3
Gene No.	30349	Strand	-
Start	7097	End	10517
Name	OJ990527_36.9922.C3.o4.tw	Method	TBLASTX:Wheat
Start	10085	End	10483
GI	none	Score	69
Exons	10085..10483, 10185..10358, 10431..10469		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30350	Strand	+
Start	9885	End	10652
Name	OJ990527_36.9922.C4.o2.gs	Method	GENSCAN
Start	9885	End	10652
GI	none	Score	.79
Exons	9885..9924, 10450..10652		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30351	Strand	+
Start	10942	End	17208
Name	OJ990527_36.9922.C4.o3.gs	Method	GENSCAN
Start	10942	End	16986
GI	none	Score	.89
Exons	10942..11037, 11376..12018, 12119..12621, 13132..13251, 14492..14602, 15073..15098, 15342..15409, 15730..15843, 15939..16120, 16272..16340, 16640..16795, 16966..16986		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30351	Strand	+
Start	10942	End	17208
Name	OJ990527_36.9922.C4.o4.gp	Method	AAT/GAP
Start	13161	End	15846
GI	none	Score	927
Exons	13161..13251, 13702..13767, 14492..14602, 14996..15072, 15342..15409, 15730..15846		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30351	Strand	+
Start	10942	End	17208
Name	OJ990527_36.9922.C4.o5.gp	Method	AAT/GAP
Start	15994	End	17208
GI	LIB3434-010-P1-K1-F8	Score	985
Exons	15994..16120, 16272..16340, 16640..16795, 17004..17208		
GI Descrip.	'2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]'		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30352	Strand	+
Start	20408	End	25356
Name	OJ990527_36.9922.C4.o3.np	Method	AAT/NAP
Start	20408	End	24882
GI	4581111	Score	45
Exons	20408..20447, 24686..24882		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30352	Strand	+
Start	20408	End	25356
Name	OJ990527_36.9922.C4.o5.gs	Method	GENSCAN
Start	22585	End	23586
GI	none	Score	.48
Exons	22585..23586		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30352	Strand	+
Start	20408	End	25356
Name	OJ990527_36.9922.C4.o6.gs	Method	GENSCAN
Start	24731	End	25356
GI	none	Score	.51
Exons	24731..24840, 25113..25356		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30353	Strand	+
Start	26751	End	26859
Name	OJ990527_36.9922.C4.o7.gs	Method	GENSCAN
Start	26751	End	26859
GI	none	Score	.86
Exons	26751..26859		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30354	Strand	-
Start	854	End	7563
Name	OJ990527_36.9922.C4.o1.gs	Method	GENSCAN

Start	854	End	7479
GI	none	Score	.64
Exons	854..991, 2057..2128, 4081..4362, 4563..4678, 4798..4844, 5299..5399, 5617..5706, 5902..7479		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30354	Strand	-
Start	854	End	7563
Name	OJ990527_36.9922.C4.o1.np	Method	AAT/NAP
Start	4072	End	7479
GI	629807	Score	3671
Exons	4072..4362, 4602..4678, 4798..4844, 5299..5399, 5617..5706, 5902..7479		
GI Descrip.	VP1 protein - rice		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30354	Strand	-
Start	854	End	7563
Name	OJ990527_36.9922.C4.o1.gp	Method	AAT/GAP
Start	5285	End	6052
GI	72020_1.R1084	Score	585
Exons	5285..5399, 5617..5706, 5902..6052		
GI Descrip.	'391884/dbj|D16640|RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds'		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30354	Strand	-
Start	854	End	7563
Name	OJ990527_36.9922.C4.o2.gp	Method	AAT/GAP
Start	6829	End	7152
GI	5607328	Score	644
Exons	6829..7152		
GI Descrip.	586238/sp|P37398|VIV_ORYSA 2.0e-51 VIVIPAROUS PROTEIN HOMOLOG >gi_632294_pir__S48899 VP1 protein (OSVP1) - Oryza sativa >gi_391885_dbj_BAA04066_ (D16640) VP1 protein (OSVP1) [Oryza sativa]		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30354	Strand	-
Start	854	End	7563
Name	OJ990527_36.9922.C4.o3.gp	Method	AAT/GAP
Start	7242	End	7563
GI	5607329	Score	612
Exons	7242..7563		
GI Descrip.	391884/dbj|D16640|RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30355	Strand	-
Start	17826	End	22311
Name	OJ990527_36.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	4265	End	5707
GI	none	Score	70
Exons	4265..4333, 4340..4360, 4596..4673, 4596..4682, 4597..4680, 4782..4847, 4792..4848, 4793..4849, 5274..5402, 5285..5398, 5298..5444, 5617..5706, 5618..5707		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30355	Strand	-
Start	17826	End	22311
Name	OJ990527_36.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	15346	End	16133
GI	none	Score	90
Exons	15346..15405, 15348..15404, 15789..15842, 15930..16133, 15934..16119, 15980..16126		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30355	Strand	-
Start	17826	End	22311
Name	OJ990527_36.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	16265	End	17115
GI	none	Score	78
Exons	16265..16342, 16271..16342, 16624..16797, 16634..16798, 16636..16797, 16980..17072, 17002..17112, 17002..17115, 17003..17113		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30355	Strand	-
Start	17826	End	22311
Name	OJ990527_36.9922.C4.o4.gs	Method	GENSCAN
Start	17826	End	22311
GI	none	Score	.58
Exons	17826..17906, 18263..18394, 18603..18692, 20523..20563, 20866..20958, 21916..22096, 22192..22311		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30355	Strand	-
Start	17826	End	22311
Name	OJ990527_36.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	17984	End	19181
GI	none	Score	43
Exons	17984..18031, 17996..18028, 18009..18134, 18010..18135, 18010..18135, 18011..18136, 18254..18409, 18264..18425, 18288..18395, 18603..18650, 18604..18648, 18720..18842, 18736..18843, 18736..18852, 18737..18853, 18737..18853, 18977..19171, 18978..19181, 18978..19172		

Seq. No.	14254	Seq. ID	OJ990527_36.9922.C4
Gene No.	30355	Strand	-
Start	17826	End	22311
Name	OJ990527_36.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	20952	End	22248
GI	none	Score	41
Exons	20952..20978, 21060..21167, 21065..21169, 21065..21169, 21438..21518, 21438..21524, 21593..21676, 21594..21680, 21947..22120, 21981..22097, 21988..22098, 22189..22248		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30356	Strand	+
Start	692	End	2510
Name	OJ990527_36.9922.C5.o1.gs	Method	GENSCAN
Start	692	End	2206
GI	none	Score	1
Exons	692..2206		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30356	Strand	+
Start	692	End	2510
Name	OJ990527_36.9922.C5.o1.np	Method	AAT/NAP
Start	767	End	2510
GI	3426047	Score	100
Exons	767..973, 2416..2510		
GI Descrip.	(AC005168) putative MADS-box protein [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30357	Strand	+
Start	5824	End	7122
Name	OJ990527_36.9922.C5.o2.gp	Method	AAT/GAP
Start	5738	End	6403
GI	2427835	Score	820
Exons	5738..5985, 6076..6142, 6260..6403		
GI Descrip.	2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30357	Strand	+
Start	5824	End	7122
Name	OJ990527_36.9922.C5.o3.np	Method	AAT/NAP
Start	5749	End	7116
GI	6648200	Score	501
Exons	5749..5985, 6076..6142, 6260..6478, 6829..6953, 7042..7116		
GI Descrip.	(AC013483) putative RHO GDP-dissociation inhibitor 1 [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30357	Strand	+
Start	5824	End	7122
Name	OJ990527_36.9922.C5.o3.gs	Method	GENSCAN
Start	5824	End	7122
GI	none	Score	.94
Exons	5824..5985, 6076..6142, 6260..6478, 6829..6995, 7042..7122		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30358	Strand	+
Start	10004	End	12371
Name	OJ990527_36.9922.C5.o5.gs	Method	GENSCAN
Start	10004	End	12371
GI	none	Score	.83
Exons	10004..10190, 10315..10383, 10726..10893, 11746..12371		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30358	Strand	+
Start	10004	End	12371
Name	OJ990527_36.9922.C5.o4.np	Method	AAT/NAP
Start	10539	End	12350
GI	4539394	Score	762
Exons	10539..12350		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30359	Strand	+
Start	13637	End	13962

Name	OJ990527_36.9922.C5.o6.gs	Method	GENSCAN
Start	13637	End	13962
GI	none	Score	.97
Exons	13637..13735, 13837..13962		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30360	Strand	+
Start	17157	End	17502
Name	OJ990527_36.9922.C5.o4.gp	Method	AAT/GAP
Start	17157	End	17502
GI	568796	Score	628
Exons	17157..17502		
GI Descrip.	2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30361	Strand	+
Start	22432	End	23873
Name	OJ990527_36.9922.C5.o9.gs	Method	GENSCAN
Start	22432	End	23873
GI	none	Score	.49
Exons	22432..22528, 22796..22925, 23038..23249, 23704..23873		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30362	Strand	+
Start	27143	End	27717
Name	OJ990527_36.9922.C5.o6.np	Method	AAT/NAP
Start	27118	End	27598
GI	6041854	Score	331
Exons	27118..27598		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30362	Strand	+
Start	27143	End	27717
Name	OJ990527_36.9922.C5.o11.gs	Method	GENSCAN
Start	27143	End	27717
GI	none	Score	.92
Exons	27143..27580, 27670..27717		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30363	Strand	+
Start	29972	End	37519
Name	OJ990527_36.9922.C5.o7.np	Method	AAT/NAP
Start	29972	End	34703
GI	2245038	Score	671
Exons	29972..29998, 31400..31880, 31959..32604, 34673..34703		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30363	Strand	+
Start	29972	End	37519
Name	OJ990527_36.9922.C5.o13.gs	Method	GENSCAN
Start	31022	End	32623
GI	none	Score	.87
Exons	31022..32623		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5

Gene No.	30363	Strand	+
Start	29972	End	37519
Name	OJ990527_36.9922.C5.o9.np	Method	AAT/NAP
Start	33489	End	37519
GI	6325168	Score	39
Exons	33489..33529, 36170..36315, 37458..37519		
GI Descrip.	serum response factor-like protein; Rlm1p gi|3024551|sp|Q12224|RLM1_YEAST TRANSCRIPTION FACTOR RLM1 gi|2133105|pir||S61977 RLM1 protein - yeast (Saccharomyces cerevisiae) gi|1030721|dbj|BAA09658| (D63340) Rlm1- [Saccharomyces cerevisiae] gi|1151237 (U43281) Rlm1p,Lpg19p [Saccharomyces cerevisiae]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30364	Strand	+
Start	46139	End	49395
Name	OJ990527_36.9922.C5.o16.gs	Method	GENSCAN
Start	46139	End	48701
GI	none	Score	.74
Exons	46139..46385, 48166..48701		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30364	Strand	+
Start	46139	End	49395
Name	OJ990527_36.9922.C5.o10.np	Method	AAT/NAP
Start	48177	End	49395
GI	4678202	Score	52
Exons	48177..48329, 49360..49395		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30365	Strand	+
Start	50320	End	51761
Name	OJ990527_36.9922.C5.o12.np	Method	AAT/NAP
Start	50320	End	51761
GI	544423	Score	76
Exons	50320..50381, 51437..51761		
GI Descrip.	GLYCINE-RICH RNA-BINDING PROTEIN 2 gi|485421|pir||S12312 glycine-rich RNA-binding protein (clone S2) - sorghum gi|21625|emb|CAA40862| (X57662) glycine-rich RNA-binding protein [Sorghum bicolor]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30366	Strand	+
Start	67287	End	68024
Name	OJ990527_36.9922.C5.o21.gs	Method	GENSCAN
Start	67287	End	68024
GI	none	Score	.81
Exons	67287..68024		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30367	Strand	+
Start	78749	End	80452
Name	OJ990527_36.9922.C5.o19.np	Method	AAT/NAP
Start	78749	End	80452
GI	6069659	Score	107
Exons	78749..78780, 80301..80452		

GI Descrip. (AP000616) hypothetical protein [Oryza sativa]

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30367	Strand	+
Start	78749	End	80452
Name	OJ990527_36.9922.C5.o17.np	Method	AAT/NAP
Start	79588	End	80452
GI	6907088	Score	536
Exons	79588..79725, 79901..80186, 80351..80452		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30368	Strand	-
Start	3062	End	4546
Name	OJ990527_36.9922.C5.o2.np	Method	AAT/NAP
Start	3047	End	4540
GI	4836924	Score	785
Exons	3047..4540		
GI Descrip.	(AC007153) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30368	Strand	-
Start	3062	End	4546
Name	OJ990527_36.9922.C5.o2.gs	Method	GENSCAN
Start	3062	End	4546
GI	none	Score	1
Exons	3062..4546		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30369	Strand	-
Start	7075	End	7362
Name	OJ990527_36.9922.C5.o3.gp	Method	AAT/GAP
Start	7075	End	7362
GI	45653_1.R1084	Score	576
Exons	7075..7362		
GI Descrip.	'2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]'		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30370	Strand	-
Start	9007	End	9310
Name	OJ990527_36.9922.C5.o4.gs	Method	GENSCAN
Start	9007	End	9310
GI	none	Score	.65
Exons	9007..9128, 9274..9310		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30371	Strand	-
Start	14620	End	19009
Name	OJ990527_36.9922.C5.o7.gs	Method	GENSCAN
Start	14620	End	19009
GI	none	Score	.79
Exons	14620..15517, 16320..16767, 17299..17418, 18931..19009		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30371	Strand	-
Start	14620	End	19009
Name	OJ990527_36.9922.C5.o5.np	Method	AAT/NAP

Start	14641	End	18404
GI	6358806	Score	1276
Exons	14641..15517, 16320..16900, 17134..17494, 18299..18404		
GI Descrip.	(AC010675) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30372	Strand	-
Start	21953	End	22135
Name	OJ990527_36.9922.C5.o8.gs	Method	GENSCAN
Start	21953	End	22135
GI	none	Score	.83
Exons	21953..22135		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30373	Strand	-
Start	24866	End	25110
Name	OJ990527_36.9922.C5.o10.gs	Method	GENSCAN
Start	24866	End	25110
GI	none	Score	.76
Exons	24866..24974, 25028..25110		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30374	Strand	-
Start	27804	End	28036
Name	OJ990527_36.9922.C5.o5.gp	Method	AAT/GAP
Start	27804	End	28036
GI	99156_1.R1084	Score	439
Exons	27804..28036		
GI Descrip.	'2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]'		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30375	Strand	-
Start	28004	End	28991
Name	OJ990527_36.9922.C5.o12.gs	Method	GENSCAN
Start	28004	End	28991
GI	none	Score	.53
Exons	28004..28225, 28698..28991		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30376	Strand	-
Start	33982	End	39831
Name	OJ990527_36.9922.C5.o6.gp	Method	AAT/GAP
Start	33685	End	34996
GI	804_1.R1084	Score	1866
Exons	33685..34116, 34238..34337, 34532..34996		
GI Descrip.	'2570517 7.0e-47 (AF022741) thioredoxin F isoform [Oryza sativa]'		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30376	Strand	-
Start	33982	End	39831
Name	OJ990527_36.9922.C5.o14.gs	Method	GENSCAN
Start	33982	End	39831
GI	none	Score	.41
Exons	33982..34116, 34238..34337, 34532..34889, 38301..38817, 38848..38909, 39540..39831		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30376	Strand	-
Start	33982	End	39831
Name	OJ990527_36.9922.C5.o8.np	Method	AAT/NAP
Start	34067	End	34860
GI	2570517	Score	688
Exons	34067..34116, 34238..34337, 34532..34860		
GI Descrip.	(AF022741) thioredoxin F isoform [Oryza sativa]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30376	Strand	-
Start	33982	End	39831
Name	OJ990527_36.9922.C5.o7.gp	Method	AAT/GAP
Start	36199	End	36271
GI	5867_1.R1084	Score	79
Exons	36199..36271		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30377	Strand	-
Start	42456	End	44504
Name	OJ990527_36.9922.C5.o15.gs	Method	GENSCAN
Start	42456	End	44504
GI	none	Score	.45
Exons	42456..42581, 43655..43743, 44459..44504		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30378	Strand	-
Start	49697	End	51718
Name	OJ990527_36.9922.C5.o17.gs	Method	GENSCAN
Start	49697	End	51718
GI	none	Score	.88
Exons	49697..49801, 49919..50068, 50111..50275, 50498..50578, 51230..51459, 51502..51718		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30378	Strand	-
Start	49697	End	51718
Name	OJ990527_36.9922.C5.o11.np	Method	AAT/NAP
Start	49907	End	51442
GI	4646202	Score	611
Exons	49907..50275, 50498..50578, 51230..51442		
GI Descrip.	(AC007230) ESTs gb|H76289 and gb|H76537 come from this gene. [Arabidopsis thaliana]		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30378	Strand	-
Start	49697	End	51718
Name	OJ990527_36.9922.C5.o8.gp	Method	AAT/GAP
Start	50244	End	51709
GI	LIB3432-046-P1-K1-B4	Score	849

Exons	50244..50275, 50498..50578, 51230..51459, 51553..51709		
GI Descrip.	'4646202/gb|AAD26875.1|AC007230_9 5.0e-39 (AC007230) ESTs gb_H76289 and gb_H76537 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30379	Strand	-
Start	52714	End	56393
Name	OJ990527_36.9922.C5.o18.gs	Method	GENSCAN
Start	52714	End	56393
GI	none	Score	.85
Exons	52714..52995, 53230..53487, 53566..53691, 53785..53880, 53975..54065, 54674..54762, 54952..55259, 55404..55456, 55759..55814, 55914..55980, 56089..56141, 56235..56393		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30379	Strand	-
Start	52714	End	56393
Name	OJ990527_36.9922.C5.o13.np	Method	AAT/NAP
Start	52717	End	56393
GI	6560748	Score	633
Exons	52717..52995, 53230..53487, 53566..53691, 53791..53880, 53921..54065, 54674..54762, 55249..55401, 55914..55982, 56175..56393		
GI Descrip.	(AC010155) F3M18.1 [Arabidopsis thaliana] gi|6691212|gb|AAF24550.1|AC007508_13 (AC007508) F1K23.17 [Arabidopsis thaliana]		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30380	Strand	-
Start	56582	End	62958
Name	OJ990527_36.9922.C5.o19.gs	Method	GENSCAN
Start	56582	End	62958
GI	none	Score	.64
Exons	56582..56716, 57494..57814, 58550..58848, 58887..58894, 58943..59022, 59161..59199, 59222..59416, 59509..59729, 59921..60010, 60123..60239, 60654..60908, 61179..61716, 61864..62958		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30380	Strand	-
Start	56582	End	62958
Name	OJ990527_36.9922.C5.o14.np	Method	AAT/NAP
Start	58505	End	62847
GI	5441880	Score	2033
Exons	58505..59230, 59333..59977, 60086..60224, 60774..61101, 61360..61395, 61840..62847		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30380	Strand	-
Start	56582	End	62958
Name	OJ990527_36.9922.C5.o9.gp	Method	AAT/GAP
Start	58832	End	59971
GI	LIB3433-020-P1-K1-A6	Score	750

Exons	58832..59216, 59929..59971		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30381	Strand	-
Start	65596	End	66602
Name	OJ990527_36.9922.C5.o20.gs	Method	GENSCAN
Start	65596	End	66602
GI	none	Score	.46
Exons	65596..65697, 65784..66602		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30382	Strand	-
Start	72619	End	77198
Name	OJ990527_36.9922.C5.o15.np	Method	AAT/NAP
Start	72619	End	77198
GI	4680179	Score	4553
Exons	72619..76036, 76139..77198		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30383	Strand	-
Start	77674	End	78454
Name	OJ990527_36.9922.C5.o16.np	Method	AAT/NAP
Start	77674	End	78454
GI	6002794	Score	1228
Exons	77674..78454		
GI Descrip.	(AF149813) unknown [Oryza sativa]		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o10.ts	Method	TBLASTX:Soybean
Start	3119	End	3652
GI	none	Score	68
Exons	3119..3334, 3125..3331, 3338..3487, 3464..3652		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o5.tc	Method	TBLASTX:Cress
Start	3266	End	4147
GI	none	Score	97
Exons	3266..3361, 3365..3553, 3587..3625, 3794..4147, 3816..4046, 3863..4051		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o12.tm	Method	TBLASTX:Maize
Start	3387	End	3662
GI	none	Score	240
Exons	3387..3476, 3392..3661, 3395..3661, 3528..3662		
Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-

Start	79873	End	80452
Name	OJ990527_36.9922.C5.o6.tm	Method	TBLASTX:Maize
Start	3716	End	4115
GI	none	Score	423
Exons	3716..4114, 3717..4100, 3726..4115		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	5836	End	7251
GI	none	Score	117
Exons	5836..5985, 5919..5987, 6078..6146, 6079..6141, 6258..6386, 6258..6497, 6259..6492, 6754..6795, 6819..6953, 6832..6951, 6833..6952, 6911..6964, 7023..7064, 7039..7131, 7040..7129, 7041..7130, 7219..7251		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o14.ts	Method	TBLASTX:Soybean
Start	5941	End	6357
GI	none	Score	66
Exons	5941..5991, 6055..6141, 6078..6140, 6256..6357, 6267..6350		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o8.tc	Method	TBLASTX:Cress
Start	6078	End	6485
GI	none	Score	83
Exons	6078..6146, 6079..6141, 6258..6359, 6259..6339, 6376..6483, 6381..6485		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o11.ts	Method	TBLASTX:Soybean
Start	10560	End	32068
GI	none	Score	155
Exons	10560..10919, 10839..10979, 11001..11225, 11151..11528, 11448..11585, 11450..11587, 11754..11891, 31499..31636, 31597..31728, 31598..31729, 31643..31765, 31685..32068, 31687..31812, 31715..31858		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o2.tc	Method	TBLASTX:Cress
Start	10566	End	32248
GI	none	Score	230
Exons	10566..11054, 10686..11300, 10815..10976, 11001..11282, 11175..11645, 11304..11585, 11460..11588, 11619..11903, 11730..11891, 11732..11830, 11892..12017, 12052..12096, 31382..31648, 31385..31591, 31475..31816, 31568..32137, 31568..31639, 31681..31815, 31706..31993, 31823..31900, 32117..32248, 32137..32247		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o7.tm	Method	TBLASTX:Maize
Start	10650	End	32581
GI	none	Score	273
Exons	10650..11351, 10686..10976, 11022..11360, 11201..11596, 11205..11378, 11295..11606, 11295..11597, 11421..12338, 11610..11927, 11615..11860, 11936..12103, 12134..12346, 31382..31543, 31382..31495, 31382..31585, 31397..31495, 31555..31734, 31565..31681, 31568..31738, 31658..31891, 31661..31855, 31661..31834, 31739..32125, 31820..31984, 31835..32581, 32143..32439		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o8.tw	Method	TBLASTX:Wheat
Start	10650	End	32269
GI	none	Score	149
Exons	10650..10976, 10670..10966, 11001..11345, 11268..11387, 11427..11588, 11585..12037, 11610..12038, 11859..11984, 31478..31678, 31661..31882, 31687..31809, 31793..32269, 31820..31915, 31963..32031		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	11895	End	32593
GI	none	Score	222
Exons	11895..12350, 11918..12085, 12128..12211, 32147..32593, 32161..32580		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o7.tc	Method	TBLASTX:Cress
Start	12129	End	32578
GI	none	Score	81
Exons	12129..12344, 32261..32536, 32264..32578, 32272..32577		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	14692	End	17422
GI	none	Score	88
Exons	14692..14853, 14854..15081, 14870..15067, 15070..15291, 15098..15292, 15298..15450, 15341..15451, 16319..16381, 16415..16828, 16434..16655, 16538..16669, 16704..16796, 17130..17414, 17201..17422		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452

Name	OJ990527_36.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	14707	End	17422
GI	none	Score	71
Exons	14707..15075, 14789..15067, 15076..15291, 15098..15232, 15277..15501, 16415..16828, 16416..16571, 17225..17422		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o11.tw	Method	TBLASTX:Wheat
Start	14716	End	15045
GI	none	Score	61
Exons	14716..15045, 14789..15031		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	14764	End	15432
GI	none	Score	166
Exons	14764..15066, 14795..15070, 15067..15297, 15074..15247, 15310..15432		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o9.ts	Method	TBLASTX:Soybean
Start	15433	End	16675
GI	none	Score	154
Exons	15433..15519, 16415..16675, 16416..16655		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o12.ts	Method	TBLASTX:Soybean
Start	16676	End	17422
GI	none	Score	73
Exons	16676..16900, 17201..17422, 17205..17327, 17364..17417		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o11.tm	Method	TBLASTX:Maize
Start	27212	End	27538
GI	none	Score	316
Exons	27212..27472, 27238..27471, 27466..27537, 27467..27538		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o5.ts	Method	TBLASTX:Soybean
Start	27212	End	27537
GI	none	Score	334
Exons	27212..27535, 27238..27267, 27322..27537		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-

Start	79873	End	80452
Name	OJ990527_36.9922.C5.o3.tc	Method	TBLASTX:Cress
Start	27215	End	27535
GI	none	Score	301
Exons	27215..27535, 27319..27513		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o13.tm	Method	TBLASTX:Maize
Start	33982	End	34746
GI	none	Score	160
Exons	33982..34125, 33983..34111, 34238..34339, 34238..34336, 34240..34350, 34287..34355, 34529..34603, 34531..34605, 34531..34605, 34672..34746, 34673..34735, 34675..34740		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o8.ts	Method	TBLASTX:Soybean
Start	33982	End	34605
GI	none	Score	118
Exons	33982..34125, 33986..34114, 34238..34336, 34256..34318, 34287..34337, 34529..34603, 34531..34605		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o4.tc	Method	TBLASTX:Cress
Start	33985	End	34605
GI	none	Score	119
Exons	33985..34125, 33989..34111, 34003..34113, 34238..34336, 34529..34603, 34531..34605		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o7.ts	Method	TBLASTX:Soybean
Start	49595	End	51403
GI	none	Score	88
Exons	49595..49618, 49697..49798, 49698..49769, 49919..50089, 49920..49958, 49964..50191, 50001..50183, 50201..50275, 50208..50276, 50498..50584, 50499..50570, 51228..51344, 51230..51403		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	49770	End	50564
GI	none	Score	64
Exons	49770..49808, 49772..49816, 49919..50005, 49923..49958, 49985..50275, 49989..50297, 50004..50279, 50494..50562, 50498..50563, 50499..50564, 50499..50564		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-

Start	79873	End	80452
Name	OJ990527_36.9922.C5.o6.tc	Method	TBLASTX:Cress
Start	50498	End	51403
GI	none	Score	90
Exons	50498..50584, 50499..50570, 51227..51403, 51228..51344		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o17.tm	Method	TBLASTX:Maize
Start	51260	End	51780
GI	none	Score	153
Exons	51260..51412, 51305..51427, 51715..51780, 51716..51769		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o14.tm	Method	TBLASTX:Maize
Start	52710	End	52909
GI	none	Score	173
Exons	52710..52904, 52714..52908, 52716..52904, 52775..52909		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	52747	End	53859
GI	none	Score	131
Exons	52747..52998, 52790..52999, 53230..53460, 53231..53461, 53554..53688, 53555..53692, 53782..53859		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o15.tm	Method	TBLASTX:Maize
Start	53464	End	54762
GI	none	Score	127
Exons	53464..53490, 53548..53694, 53564..53689, 53566..53700, 53785..53883, 53788..53883, 53789..53887, 53975..54085, 53975..54067, 53976..54068, 54664..54762, 54667..54759		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o7.tw	Method	TBLASTX:Wheat
Start	61609	End	61986
GI	none	Score	59
Exons	61609..61782, 61620..61760, 61726..61773, 61807..61983, 61832..61984, 61837..61986		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o10.tm	Method	TBLASTX:Maize
Start	61802	End	62280
GI	none	Score	221
Exons	61802..62275, 61813..62280		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o5.tw	Method	TBLASTX:Wheat
Start	72663	End	72996
GI	none	Score	99
Exons	72663..72995, 72684..72833, 72727..72996		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o21.tm	Method	TBLASTX:Maize
Start	72678	End	72836
GI	none	Score	193
Exons	72678..72836		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	72846	End	73442
GI	none	Score	151
Exons	72846..73283, 72846..73283, 73281..73439, 73288..73434, 73290..73442		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	72996	End	73622
GI	none	Score	158
Exons	72996..73622, 73047..73475, 73120..73527		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o9.tm	Method	TBLASTX:Maize
Start	73491	End	73781
GI	none	Score	115
Exons	73491..73781, 73494..73709, 73591..73770		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o6.ts	Method	TBLASTX:Soybean
Start	73581	End	73836
GI	none	Score	159
Exons	73581..73829, 73591..73836		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o9.tc	Method	TBLASTX:Cress
Start	73605	End	73922
GI	none	Score	96
Exons	73605..73748, 73624..73746, 73749..73901, 73749..73922		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	73629	End	74153
GI	none	Score	267
Exons	73629..74153, 73633..74001		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	74196	End	74622
GI	none	Score	197
Exons	74196..74621, 74211..74564, 74248..74622		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	74196	End	74549
GI	none	Score	216
Exons	74196..74549, 74239..74547		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o13.ts	Method	TBLASTX:Soybean
Start	74370	End	74615
GI	none	Score	205
Exons	74370..74615		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o16.tm	Method	TBLASTX:Maize
Start	74556	End	74903
GI	none	Score	303
Exons	74556..74903		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o6.tw	Method	TBLASTX:Wheat
Start	74628	End	74924
GI	none	Score	66
Exons	74628..74924, 74648..74863, 74665..74880, 74688..74924		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	74637	End	75032
GI	none	Score	150
Exons	74637..74996, 74665..74880, 74688..74996, 74920..75015, 75000..75032, 75000..75032		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o8.tm	Method	TBLASTX:Maize
Start	74919	End	75386
GI	none	Score	94
Exons	74919..75386, 75138..75314, 75142..75315		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o4.tw	Method	TBLASTX:Wheat
Start	74973	End	75456
GI	none	Score	173
Exons	74973..75455, 74982..75428, 75001..75456		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o20.tm	Method	TBLASTX:Maize
Start	75387	End	75593
GI	none	Score	162
Exons	75387..75593, 75388..75534		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o9.tw	Method	TBLASTX:Wheat
Start	75597	End	76001
GI	none	Score	80
Exons	75597..75767, 75652..75771, 75780..76001, 75847..75957, 75948..76001		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o19.tm	Method	TBLASTX:Maize
Start	75684	End	76007
GI	none	Score	204
Exons	75684..76007		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o18.tm	Method	TBLASTX:Maize
Start	76389	End	76718
GI	none	Score	230
Exons	76389..76718		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o10.tw	Method	TBLASTX:Wheat
Start	76599	End	76976
GI	none	Score	265
Exons	76599..76976		

Seq. No.	14255	Seq. ID	OJ990527_36.9922.C5
Gene No.	30384	Strand	-
Start	79873	End	80452
Name	OJ990527_36.9922.C5.o18.np	Method	AAT/NAP
Start	79873	End	80452
GI	5777623	Score	272
Exons	79873..80125, 80425..80452		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	14256	Seq. ID	OJ990527_36.9922.C6
Gene No.	30385	Strand	
Start	3330	End	3778
Name	OJ990527_36.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	3330	End	3778
GI	none	Score	201
Exons	3330..3464, 3330..3407, 3332..3487, 3458..3511, 3459..3512, 3460..3516, 3650..3679, 3650..3679, 3725..3778, 3745..3777		

Seq. No.	14257	Seq. ID	OJ990527_36.9922.C7
Gene No.	30386	Strand	-
Start	32	End	125
Name	OJ990527_36.9922.C7.o1.gs	Method	GENSCAN
Start	32	End	125
GI	none	Score	.95
Exons	32..125		

Seq. No.	14258	Seq. ID	OJ990527_36.9922.C8
Gene No.	30387	Strand	-
Start	1	End	353
Name	OJ990527_36.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	353
GI	2498930	Score	56
Exons	1..20, 128..187, 310..353		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	14258	Seq. ID	OJ990527_36.9922.C8
Gene No.	30387	Strand	-
Start	1	End	353
Name	OJ990527_36.9922.C8.o1.gs	Method	GENSCAN
Start	128	End	187
GI	none	Score	.95
Exons	128..187		

Seq. No.	14259	Seq. ID	OJ990427_31.9922.C2
Gene No.	30388	Strand	-
Start	1	End	860
Name	OJ990427_31.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	860
GI	3152596	Score	108
Exons	1..22, 717..860		
GI Descrip.	(AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	14259	Seq. ID	OJ990427_31.9922.C2
Gene No.	30388	Strand	-
Start	1	End	860

Name	OJ990427_31.9922.C2.o1.gs	Method	GENSCAN
Start	699	End	860
GI	none	Score	.95
Exons	699..860		

Seq. No.	14259	Seq. ID	OJ990427_31.9922.C2
Gene No.	30389	Strand	-
Start	880	End	1130
Name	OJ990427_31.9922.C2.o2.np	Method	AAT/NAP
Start	880	End	1130
GI	1947160	Score	66
Exons	880..1130		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	14260	Seq. ID	OJ990427_31.9922.C3
Gene No.	30390	Strand	+
Start	3593	End	7862
Name	OJ990427_31.9922.C3.o1.gs	Method	GENSCAN
Start	3593	End	5765
GI	none	Score	.49
Exons	3593..3656, 4247..4522, 4910..5326, 5533..5765		

Seq. No.	14260	Seq. ID	OJ990427_31.9922.C3
Gene No.	30390	Strand	+
Start	3593	End	7862
Name	OJ990427_31.9922.C3.o1.np	Method	AAT/NAP
Start	5304	End	7862
GI	4406770	Score	574
Exons	5304..5375, 5850..6009, 6080..6412, 6528..6591, 7432..7484, 7756..7862		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	14260	Seq. ID	OJ990427_31.9922.C3
Gene No.	30390	Strand	+
Start	3593	End	7862
Name	OJ990427_31.9922.C3.o1.gp	Method	AAT/GAP
Start	5820	End	6273
GI	58415_1.R1084	Score	699
Exons	5820..6009, 6080..6273		
GI Descrip.	'4406770/gb|AAD20081| 3.0e-17 (AC006836) unknown protein [Arabidopsis thaliana]'		

Seq. No.	14260	Seq. ID	OJ990427_31.9922.C3
Gene No.	30390	Strand	+
Start	3593	End	7862
Name	OJ990427_31.9922.C3.o2.gs	Method	GENSCAN
Start	5908	End	7484
GI	none	Score	.84
Exons	5908..6009, 6080..6412, 6528..6591, 7432..7484		

Seq. No.	14260	Seq. ID	OJ990427_31.9922.C3
Gene No.	30390	Strand	+
Start	3593	End	7862
Name	OJ990427_31.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	5967	End	7481
GI	none	Score	41

Exons	5967..5999, 5977..5997, 6106..6309, 6110..6310, 6292..6417, 6293..6415, 6525..6596, 6527..6595, 7428..7481		
Seq. No.	14260	Seq. ID	OJ990427_31.9922.C3
Gene No.	30390	Strand	+
Start	3593	End	7862
Name	OJ990427_31.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	5970	End	7489
GI	none	Score	39
Exons	5970..6008, 5977..5997, 6116..6310, 6127..6309, 6292..6417, 6299..6415, 6516..6593, 6525..6596, 7415..7489, 7428..7487		
Seq. No.	14260	Seq. ID	OJ990427_31.9922.C3
Gene No.	30390	Strand	+
Start	3593	End	7862
Name	OJ990427_31.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	5970	End	7487
GI	none	Score	43
Exons	5970..6017, 5977..5997, 6112..6309, 6113..6310, 6289..6417, 6293..6415, 6525..6593, 6530..6592, 7428..7487, 7430..7486		
Seq. No.	14261	Seq. ID	OJ990427_31.9922.C4
Gene No.	30391	Strand	+
Start	370	End	881
Name	OJ990427_31.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	329	End	757
GI	none	Score	112
Exons	329..433, 368..436, 369..434, 564..752, 566..745, 568..753, 572..757		
Seq. No.	14261	Seq. ID	OJ990427_31.9922.C4
Gene No.	30391	Strand	+
Start	370	End	881
Name	OJ990427_31.9922.C4.o1.gs	Method	GENSCAN
Start	370	End	760
GI	none	Score	.58
Exons	370..438, 571..760		
Seq. No.	14261	Seq. ID	OJ990427_31.9922.C4
Gene No.	30391	Strand	+
Start	370	End	881
Name	OJ990427_31.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	371	End	757
GI	none	Score	99
Exons	371..436, 371..439, 570..623, 571..750, 572..757		
Seq. No.	14261	Seq. ID	OJ990427_31.9922.C4
Gene No.	30391	Strand	+
Start	370	End	881
Name	OJ990427_31.9922.C4.o1.np	Method	AAT/NAP
Start	375	End	881
GI	4406770	Score	211
Exons	375..438, 571..756, 797..881		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		
Seq. No.	14261	Seq. ID	OJ990427_31.9922.C4
Gene No.	30391	Strand	+

Start	370	End	881
Name	OJ990427_31.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	379	End	757
GI	none	Score	69
Exons	379..432, 380..433, 380..430, 662..757, 664..741	381..452, 571..630, 572..637,	

Seq. No.	14262	Seq. ID	OJ990427_31.9922.C5
Gene No.	30392	Strand	-
Start	1	End	295
Name	OJ990427_31.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	295
GI	2498930	Score	48
Exons	1..44, 155..295		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	14262	Seq. ID	OJ990427_31.9922.C5
Gene No.	30392	Strand	-
Start	1	End	295
Name	OJ990427_31.9922.C5.o1.gs	Method	GENSCAN
Start	155	End	214
GI	none	Score	.99
Exons	155..214		

Seq. No.	14263	Seq. ID	OJ990427_31.9922.C6
Gene No.	30393	Strand	-
Start	197	End	432
Name	OJ990427_31.9922.C6.o1.gs	Method	GENSCAN
Start	197	End	432
GI	none	Score	.44
Exons	197..432		

Seq. No.	14264	Seq. ID	OJ990427_31.9922.C7
Gene No.	30394	Strand	-
Start	158	End	162
Name	OJ990427_31.9922.C7.o1.gs	Method	GENSCAN
Start	158	End	162
GI	none	Score	.44
Exons	158..162		

Seq. No.	14265	Seq. ID	OJ990427_31.9922.C8
Gene No.	30395	Strand	+
Start	13656	End	21322
Name	OJ990427_31.9922.C8.o3.gs	Method	GENSCAN
Start	13656	End	21322
GI	none	Score	.51
Exons	13656..13710, 13993..14189, 15423..15544, 17750..18113, 18321..18496, 19810..20491, 20576..21322		

Seq. No.	14265	Seq. ID	OJ990427_31.9922.C8
Gene No.	30395	Strand	+
Start	13656	End	21322
Name	OJ990427_31.9922.C8.o3.np	Method	AAT/NAP
Start	19858	End	21289
GI	6522933	Score	506
Exons	19858..21289		

GI Descrip. (AL132978) putative protein [Arabidopsis thaliana]

Seq. No.	14265	Seq. ID	OJ990427_31.9922.C8
Gene No.	30396	Strand	-
Start	8041	End	12991
Name	OJ990427_31.9922.C8.o1.np	Method	AAT/NAP
Start	8041	End	12991
GI	2443320	Score	827
Exons	8041..8068, 12342..12991		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	14265	Seq. ID	OJ990427_31.9922.C8
Gene No.	30396	Strand	-
Start	8041	End	12991
Name	OJ990427_31.9922.C8.o2.gs	Method	GENSCAN
Start	11058	End	12988
GI	none	Score	.72
Exons	11058..11157, 12318..12479, 12723..12988		

Seq. No.	14265	Seq. ID	OJ990427_31.9922.C8
Gene No.	30397	Strand	-
Start	16404	End	19489
Name	OJ990427_31.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	12447	End	12793
GI	none	Score	70
Exons	12447..12659, 12449..12793		

Seq. No.	14265	Seq. ID	OJ990427_31.9922.C8
Gene No.	30397	Strand	-
Start	16404	End	19489
Name	OJ990427_31.9922.C8.o2.np	Method	AAT/NAP
Start	16404	End	19489
GI	5042463	Score	121
Exons	16404..16538, 16590..16730, 17393..17596, 19448..19489		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30398	Strand	+
Start	108	End	4739
Name	OJ990427_31.9922.C9.o1.gs	Method	GENSCAN
Start	108	End	4739
GI	none	Score	.69
Exons	108..235, 949..1175, 2008..2268, 3760..3912, 4272..4400, 4717..4739		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30399	Strand	-
Start	1693	End	2269
Name	OJ990427_31.9922.C9.o1.gp	Method	AAT/GAP
Start	1693	End	2269
GI	none	Score	753
Exons	1693..1897, 2040..2269		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30400	Strand	-
Start	3914	End	13563
Name	OJ990427_31.9922.C9.o1.tm	Method	TBLASTX:Maize

Start	621	End	963
GI	none	Score	122
Exons	621..743, 622..963, 632..925		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30400	Strand	-
Start	3914	End	13563
Name	OJ990427_31.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	1308	End	1785
GI	none	Score	126
Exons	1308..1544, 1359..1559, 1688..1771, 1702..1785		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30400	Strand	-
Start	3914	End	13563
Name	OJ990427_31.9922.C9.o2.gp	Method	AAT/GAP
Start	3914	End	6202
GI	36296_1.R1084	Score	1314
Exons	3914..4297, 4641..4710, 4980..5027, 5857..5934, 6043..6202		
GI Descrip.	'3953465 1.0e-27 (AC002328) F20N2.10 [Arabidopsis thaliana]'		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30400	Strand	-
Start	3914	End	13563
Name	OJ990427_31.9922.C9.o2.np	Method	AAT/NAP
Start	4217	End	12622
GI	3953465	Score	795
Exons	4217..4297, 4642..4710, 4980..5027, 5857..5934, 6043..6156, 7189..7732, 8162..8285, 8379..8496, 8609..8949, 9785..9889, 9985..10054, 10831..10921, 11170..11299, 11793..11876, 12426..12510, 12552..12622		
GI Descrip.	(AC002328) F20N2.10 [Arabidopsis thaliana]		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30400	Strand	-
Start	3914	End	13563
Name	OJ990427_31.9922.C9.o2.gs	Method	GENSCAN
Start	6031	End	13563
GI	none	Score	.72
Exons	6031..6156, 7189..7380, 7472..7596, 7676..7777, 8162..8285, 8431..8496, 8609..8764, 9616..9660, 9794..9889, 9985..10060, 10831..10969, 11236..11299, 11407..11480, 11798..11876, 12288..12373, 12426..12555, 13028..13119, 13401..13563		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30400	Strand	-
Start	3914	End	13563
Name	OJ990427_31.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	7270	End	8765
GI	none	Score	58
Exons	7270..7380, 7326..7382, 7470..7547, 7472..7564, 8121..8285, 8431..8487, 8431..8499, 8603..8758, 8607..8765		

Seq. No.	14266	Seq. ID	OJ990427_31.9922.C9
Gene No.	30400	Strand	-
Start	3914	End	13563
Name	OJ990427_31.9922.C9.o3.gp	Method	AAT/GAP

Start	9620	End	12564
GI	5004205	Score	1228
Exons	9620..9660, 9793..9889, 9985..10060, 10831..10969, 11236..11299, 11407..11480, 11798..11876, 12426..12564		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30401	Strand	+
Start	1	End	19315
Name	OJ990427_31.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	13926
GI	81286	Score	183
Exons	1..30, 2392..2639, 8634..8783, 8840..9064, 9498..9587, 13856..13926		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30401	Strand	+
Start	1	End	19315
Name	OJ990427_31.9922.C10.o2.gs	Method	GENSCAN
Start	8271	End	17151
GI	none	Score	.7
Exons	8271..8276, 8520..8627, 9035..9208, 9251..9342, 9387..9680, 13619..13723, 13856..14249, 16371..16514, 16963..17151		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30401	Strand	+
Start	1	End	19315
Name	OJ990427_31.9922.C10.o1.gp	Method	AAT/GAP
Start	14208	End	17265
GI	none	Score	930
Exons	14208..14249, 16371..16514, 16963..17265		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30401	Strand	+
Start	1	End	19315
Name	OJ990427_31.9922.C10.o2.np	Method	AAT/NAP
Start	16741	End	19315
GI	6815052	Score	95
Exons	16741..16783, 17763..18033, 18953..19003, 19235..19315		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30402	Strand	+
Start	30172	End	35817
Name	OJ990427_31.9922.C10.o4.np	Method	AAT/NAP
Start	30172	End	35817
GI	6498441	Score	6740
Exons	30172..31235, 31566..32028, 32092..32465, 32649..32783, 32958..33196, 33389..33873, 34045..35442, 35536..35817		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30403	Strand	-
Start	19846	End	22996

Name	OJ990427_31.9922.C10.o2.gp	Method	AAT/GAP
Start	19477	End	21391
GI	2835_1.R1084	Score	1428
Exons	19477..19953, 20859..20987, 21200..21391		
GI Descrip.	'4455201/emb|CAB36524.1| 3.0e-42 (AL035440) grpE like protein [Arabidopsis thaliana]'		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30403	Strand	-
Start	19846	End	22996
Name	OJ990427_31.9922.C10.o3.gs	Method	GENSCAN
Start	19846	End	22792
GI	none	Score	.84
Exons	19846..19953, 20859..20987, 21200..21367, 21449..21639, 21670..21826, 22649..22792		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30403	Strand	-
Start	19846	End	22996
Name	OJ990427_31.9922.C10.o3.np	Method	AAT/NAP
Start	19858	End	22996
GI	4455201	Score	642
Exons	19858..19953, 20859..20987, 21200..21367, 21449..21881, 22885..22996		
GI Descrip.	(AL035440) grpE like protein [Arabidopsis thaliana]		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30403	Strand	-
Start	19846	End	22996
Name	OJ990427_31.9922.C10.o3.gp	Method	AAT/GAP
Start	21447	End	22885
GI	none	Score	1120
Exons	21447..21639, 21712..21907, 22649..22885		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30404	Strand	-
Start	24589	End	24897
Name	OJ990427_31.9922.C10.o4.gs	Method	GENSCAN
Start	24589	End	24897
GI	none	Score	.42
Exons	24589..24897		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30405	Strand	-
Start	27793	End	28253
Name	OJ990427_31.9922.C10.o4.gp	Method	AAT/GAP
Start	27793	End	28253
GI	LIB3432-059-P1-K1-D8	Score	714
Exons	27793..28253		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	10434	End	31935

GI	none	Score	111
Exons	10434..10526, 31450..31581, 31451..31582, 31585..31935, 31644..31931		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	19859	End	21910
GI	none	Score	99
Exons	19859..19954, 19885..19971, 19915..19974, 20851..20988, 20852..20998, 20856..20990, 21179..21364, 21195..21365, 21198..21365, 21199..21366, 21199..21375, 21445..21666, 21450..21530, 21451..21540, 21591..21680, 21592..21678, 21617..21685, 21667..21768, 21670..21768, 21751..21900, 21776..21910, 21777..21899		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	20859	End	21676
GI	none	Score	87
Exons	20859..20990, 20860..20988, 21176..21271, 21179..21280, 21195..21296, 21284..21364, 21285..21365, 21446..21544, 21474..21530, 21650..21676		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o6.tw	Method	TBLASTX:Wheat
Start	30320	End	30712
GI	none	Score	58
Exons	30320..30367, 30374..30472, 30391..30471, 30439..30678, 30455..30712		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o6.tm	Method	TBLASTX:Maize
Start	30325	End	30610
GI	none	Score	193
Exons	30325..30609, 30362..30610		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	32099	End	32562
GI	none	Score	93
Exons	32099..32275, 32100..32561, 32101..32562		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	32140	End	32505

GI	none	Score	117
Exons	32140..32364, 32371..32505		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	32230	End	32586
GI	none	Score	392
Exons	32230..32586, 32265..32576, 32317..32586		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	32613	End	32997
GI	none	Score	360
Exons	32613..32978, 32614..32997		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	32671	End	33095
GI	none	Score	488
Exons	32671..33090, 32676..33095		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	32749	End	33120
GI	none	Score	271
Exons	32749..33120, 32766..32909		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o5.tw	Method	TBLASTX:Wheat
Start	33721	End	34179
GI	none	Score	234
Exons	33721..33969, 33745..33969, 33810..33983, 34030..34179, 34039..34176, 34041..34178		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	33868	End	34434
GI	5666795	Score	68
Exons	33868..33966, 34042..34179, 34234..34434		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o8.tw	Method	TBLASTX:Wheat

Start	34182	End	34494
GI	none	Score	192
Exons	34182..34358, 34195..34383, 34234..34494		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	34687	End	35010
GI	none	Score	362
Exons	34687..35010, 34716..34997		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	34824	End	35205
GI	none	Score	375
Exons	34824..34880, 34825..35205, 34926..35174		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o7.tw	Method	TBLASTX:Wheat
Start	35206	End	35808
GI	none	Score	265
Exons	35206..35490, 35211..35489, 35682..35804, 35683..35808		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o5.tm	Method	TBLASTX:Maize
Start	35677	End	35847
GI	none	Score	197
Exons	35677..35847, 35682..35846		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o6.gs	Method	GENSCAN
Start	36450	End	39686
GI	none	Score	.95
Exons	36450..39686		

Seq. No.	14267	Seq. ID	OJ990427_31.9922.C10
Gene No.	30406	Strand	-
Start	36450	End	39686
Name	OJ990427_31.9922.C10.o5.np	Method	AAT/NAP
Start	36453	End	39686
GI	6907089	Score	4128
Exons	36453..38331, 38425..39686		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14268	Seq. ID	OJ990427_31.9922.C11
Gene No.	30407	Strand	+
Start	196	End	777
Name	OJ990427_31.9922.C11.o1.np	Method	AAT/NAP

Start	196	End	777
GI	5042454	Score	360
Exons	196..342, 681..777		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	14268	Seq. ID	OJ990427_31.9922.C11
Gene No.	30407	Strand	+
Start	196	End	777
Name	OJ990427_31.9922.C11.o1.gs	Method	GENSCAN
Start	219	End	699
GI	none	Score	.84
Exons	219..342, 575..699		

Seq. No.	14268	Seq. ID	OJ990427_31.9922.C11
Gene No.	30408	Strand	-
Start	2333	End	7441
Name	OJ990427_31.9922.C11.o2.gs	Method	GENSCAN
Start	2333	End	7441
GI	none	Score	.62
Exons	2333..2410, 2494..2583, 2585..2785, 4444..4680, 5878..5946, 6019..6069, 7183..7230, 7361..7441		

Seq. No.	14268	Seq. ID	OJ990427_31.9922.C11
Gene No.	30408	Strand	-
Start	2333	End	7441
Name	OJ990427_31.9922.C11.o2.np	Method	AAT/NAP
Start	2519	End	7230
GI	3152596	Score	307
Exons	2519..2770, 4444..4680, 5878..5946, 6019..6134, 7186..7230		
GI Descrip.	(AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	14269	Seq. ID	OJ990427_31.9922.C12
Gene No.	30409	Strand	-
Start	1	End	1610
Name	OJ990427_31.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	1610
GI	3152596	Score	112
Exons	1..63, 1460..1610		
GI Descrip.	(AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	14270	Seq. ID	OJ990427_31.9922.C14
Gene No.	30410	Strand	-
Start	500	End	652
Name	OJ990427_31.9922.C14.o1.gs	Method	GENSCAN
Start	500	End	652
GI	none	Score	.81
Exons	500..652		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30411	Strand	+
Start	1702	End	6491
Name	OJ990427_32.9922.C1.o1.gs	Method	GENSCAN
Start	1702	End	6491
GI	none	Score	.55
Exons	1702..1994, 3126..3281, 3935..4467, 5715..6012, 6047..6491		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1

Gene No.	30411	Strand	+
Start	1702	End	6491
Name	OJ990427_32.9922.C1.o1.np	Method	AAT/NAP
Start	2556	End	5089
GI	5295955	Score	648
Exons	2556..2624, 3167..3281, 3930..3972, 4002..4330, 4405..5089		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30412	Strand	+
Start	6538	End	8993
Name	OJ990427_32.9922.C1.o3.np	Method	AAT/NAP
Start	6538	End	8993
GI	629693	Score	83
Exons	6538..6572, 8502..8641, 8949..8993		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30413	Strand	+
Start	11184	End	20924
Name	OJ990427_32.9922.C1.o4.np	Method	AAT/NAP
Start	11184	End	15649
GI	5042463	Score	117
Exons	11184..11232, 12742..12965, 13593..13746, 13798..13959, 15582..15649		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30413	Strand	+
Start	11184	End	20924
Name	OJ990427_32.9922.C1.o3.gs	Method	GENSCAN
Start	12489	End	20924
GI	none	Score	.45
Exons	12489..12553, 13798..13948, 15745..15886, 16413..16531, 16685..16825, 17007..17183, 17356..17703, 18060..18153, 20326..20397, 20577..20658, 20813..20924		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30413	Strand	+
Start	11184	End	20924
Name	OJ990427_32.9922.C1.o5.np	Method	AAT/NAP
Start	15959	End	16605
GI	5724769	Score	340
Exons	15959..16605		
GI Descrip.	(AF160181) contains similarity to a family of Arabidopsis thaliana hypothetical proteins; see GB:AF077408		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30414	Strand	-
Start	6852	End	11693
Name	OJ990427_32.9922.C1.o2.gs	Method	GENSCAN
Start	6852	End	11693
GI	none	Score	.69
Exons	6852..6958, 7654..7707, 8234..8291, 8636..8836, 9099..9725, 9808..9921, 9994..10052, 10205..10328, 10424..10549,		

10993..11205, 11355..11693

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30414	Strand	-
Start	6852	End	11693
Name	OJ990427_32.9922.C1.o2.np	Method	AAT/NAP
Start	7352	End	9301
GI	4680186	Score	217
Exons	7352..7573, 9199..9301		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30415	Strand	-
Start	20172	End	21940
Name	OJ990427_32.9922.C1.o6.np	Method	AAT/NAP
Start	20172	End	21940
GI	6721559	Score	227
Exons	20172..20308, 20337..20584, 21729..21940		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30416	Strand	-
Start	21877	End	22113
Name	OJ990427_32.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	1170	End	1565
GI	none	Score	208
Exons	1170..1565, 1271..1387		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30416	Strand	-
Start	21877	End	22113
Name	OJ990427_32.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	1614	End	16524
GI	none	Score	78
Exons	1614..1742, 16034..16159, 16036..16155, 16150..16416, 16161..16361, 16432..16524, 16433..16522		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30416	Strand	-
Start	21877	End	22113
Name	OJ990427_32.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	1617	End	16419
GI	none	Score	76
Exons	1617..1742, 16045..16068, 16046..16159, 16102..16152, 16149..16361, 16150..16419, 16159..16395		

Seq. No.	14271	Seq. ID	OJ990427_32.9922.C1
Gene No.	30416	Strand	-
Start	21877	End	22113
Name	OJ990427_32.9922.C1.o4.gs	Method	GENSCAN
Start	21877	End	22113
GI	none	Score	.87
Exons	21877..22113		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2

Gene No.	30417	Strand	+
Start	114	End	7768
Name	OJ990427_32.9922.C2.o1.gs	Method	GENSCAN
Start	114	End	6005
GI	none	Score	.74
Exons	114..200, 2405..2917, 3401..3638, 4032..4135, 4400..4583, 4821..5458, 5598..6005		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30417	Strand	+
Start	114	End	7768
Name	OJ990427_32.9922.C2.o1.gp	Method	AAT/GAP
Start	1688	End	2199
GI	5867_1.R1084	Score	153
Exons	1688..1721, 2110..2199		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30417	Strand	+
Start	114	End	7768
Name	OJ990427_32.9922.C2.o2.np	Method	AAT/NAP
Start	3401	End	7765
GI	4680179	Score	6268
Exons	3401..7765		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30417	Strand	+
Start	114	End	7768
Name	OJ990427_32.9922.C2.o2.gs	Method	GENSCAN
Start	6377	End	7768
GI	none	Score	.49
Exons	6377..6714, 6880..7049, 7512..7768		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30418	Strand	-
Start	841	End	1609
Name	OJ990427_32.9922.C2.o1.np	Method	AAT/NAP
Start	841	End	1609
GI	4680183	Score	188
Exons	841..930, 1539..1609		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30419	Strand	
Start	3656	End	4192
Name	OJ990427_32.9922.C2.o7.tw	Method	TBLASTX:Wheat
Start	3656	End	4015
GI	none	Score	273
Exons	3656..4015, 3787..4005		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30419	Strand	
Start	3656	End	4192
Name	OJ990427_32.9922.C2.o7.tm	Method	TBLASTX:Maize
Start	3896	End	4192
GI	none	Score	191
Exons	3896..4192, 3896..4180, 3913..4077		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30420	Strand	
Start	4582	End	4936
Name	OJ990427_32.9922.C2.o8.tw	Method	TBLASTX:Wheat
Start	4582	End	4936
GI	none	Score	237
Exons	4582..4722, 4583..4936		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30421	Strand	
Start	5111	End	5957
Name	OJ990427_32.9922.C2.o4.tw	Method	TBLASTX:Wheat
Start	5111	End	5570
GI	none	Score	391
Exons	5111..5509, 5185..5457, 5228..5479, 5328..5480, 5463..5570, 5465..5527		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30421	Strand	
Start	5111	End	5957
Name	OJ990427_32.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	5129	End	5412
GI	none	Score	305
Exons	5129..5410, 5206..5412		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30421	Strand	
Start	5111	End	5957
Name	OJ990427_32.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	5463	End	5957
GI	none	Score	151
Exons	5463..5636, 5622..5957, 5708..5839, 5709..5912		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30421	Strand	
Start	5111	End	5957
Name	OJ990427_32.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	5511	End	5906
GI	none	Score	51
Exons	5511..5543, 5513..5542, 5547..5906, 5550..5627, 5554..5691, 5657..5905		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30421	Strand	
Start	5111	End	5957
Name	OJ990427_32.9922.C2.o5.tw	Method	TBLASTX:Wheat
Start	5619	End	5921
GI	none	Score	348
Exons	5619..5921, 5663..5920		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30422	Strand	
Start	5922	End	6350
Name	OJ990427_32.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	5922	End	6347
GI	none	Score	593
Exons	5922..6347, 5954..6340, 6000..6341		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30422	Strand	
Start	5922	End	6350
Name	OJ990427_32.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	5928	End	6173
GI	none	Score	185
Exons	5928..6173		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30422	Strand	
Start	5922	End	6350
Name	OJ990427_32.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	5994	End	6350
GI	none	Score	476
Exons	5994..6350, 5996..6340		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30423	Strand	
Start	6386	End	6961
Name	OJ990427_32.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	6386	End	6913
GI	none	Score	586
Exons	6386..6913, 6532..6912		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30423	Strand	
Start	6386	End	6961
Name	OJ990427_32.9922.C2.o5.tm	Method	TBLASTX:Maize
Start	6562	End	6877
GI	none	Score	259
Exons	6562..6876, 6563..6877		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30423	Strand	
Start	6386	End	6961
Name	OJ990427_32.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	6620	End	6937
GI	none	Score	85
Exons	6620..6787, 6794..6937, 6844..6936		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30423	Strand	
Start	6386	End	6961
Name	OJ990427_32.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	6701	End	6961
GI	none	Score	292
Exons	6701..6961, 6706..6960		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30424	Strand	
Start	6878	End	7720
Name	OJ990427_32.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	6878	End	7195
GI	none	Score	436
Exons	6878..7195, 6889..7194		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30424	Strand	
Start	6878	End	7720
Name	OJ990427_32.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	6919	End	7307
GI	none	Score	468
Exons	6919..7299, 6920..7306, 6927..7307		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30424	Strand	
Start	6878	End	7720
Name	OJ990427_32.9922.C2.o6.tm	Method	TBLASTX:Maize
Start	7195	End	7514
GI	none	Score	85
Exons	7195..7254, 7199..7261, 7259..7312, 7264..7308, 7302..7370, 7369..7404, 7407..7514		

Seq. No.	14272	Seq. ID	OJ990427_32.9922.C2
Gene No.	30424	Strand	
Start	6878	End	7720
Name	OJ990427_32.9922.C2.o6.tw	Method	TBLASTX:Wheat
Start	7369	End	7720
GI	none	Score	45
Exons	7369..7404, 7410..7514, 7412..7498, 7502..7720, 7585..7719		

Seq. No.	14273	Seq. ID	OJ990427_32.9922.C3
Gene No.	30425	Strand	+
Start	145	End	794
Name	OJ990427_32.9922.C3.o1.gs	Method	GENSCAN
Start	145	End	794
GI	none	Score	.51
Exons	145..319, 411..476, 522..674, 679..794		

Seq. No.	14273	Seq. ID	OJ990427_32.9922.C3
Gene No.	30426	Strand	+
Start	1437	End	1823
Name	OJ990427_32.9922.C3.o3.np	Method	AAT/NAP
Start	1437	End	1823
GI	6721561	Score	114
Exons	1437..1513, 1777..1823		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	14273	Seq. ID	OJ990427_32.9922.C3
Gene No.	30427	Strand	-
Start	1	End	265

Name	OJ990427_32.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	265
GI	6721559	Score	162
Exons	1..265		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	14273	Seq. ID	OJ990427_32.9922.C3
Gene No.	30428	Strand	-
Start	1315	End	1823
Name	OJ990427_32.9922.C3.o2.np	Method	AAT/NAP
Start	1315	End	1823
GI	4680183	Score	98
Exons	1315..1453, 1798..1823		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	14274	Seq. ID	OJ990427_32.9922.C4
Gene No.	30429	Strand	+
Start	1995	End	2484
Name	OJ990427_32.9922.C4.o2.np	Method	AAT/NAP
Start	1995	End	2484
GI	4680183	Score	224
Exons	1995..2484		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	14274	Seq. ID	OJ990427_32.9922.C4
Gene No.	30430	Strand	+
Start	4719	End	5850
Name	OJ990427_32.9922.C4.o4.np	Method	AAT/NAP
Start	4710	End	5850
GI	6907089	Score	99
Exons	4710..4930, 5832..5850		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14274	Seq. ID	OJ990427_32.9922.C4
Gene No.	30430	Strand	+
Start	4719	End	5850
Name	OJ990427_32.9922.C4.o3.gs	Method	GENSCAN
Start	4719	End	4940
GI	none	Score	.59
Exons	4719..4940		

Seq. No.	14274	Seq. ID	OJ990427_32.9922.C4
Gene No.	30431	Strand	-
Start	2835	End	4378
Name	OJ990427_32.9922.C4.o2.gs	Method	GENSCAN
Start	2835	End	4378
GI	none	Score	.68
Exons	2835..3211, 3301..3458, 4275..4378		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30432	Strand	+
Start	562	End	3834
Name	OJ990427_32.9922.C5.o1.gs	Method	GENSCAN
Start	562	End	3834
GI	none	Score	.75

Exons	562..680, 779..920, 1146..1944, 1983..2241, 2323..2668, 2794..2882, 2989..3069, 3151..3834		
Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30433	Strand	+
Start	10209	End	13458
Name	OJ990427_32.9922.C5.o2.np	Method	AAT/NAP
Start	10209	End	13458
GI	4325357	Score	351
Exons	10209..10327, 11450..11963, 12764..13458		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30433	Strand	+
Start	10209	End	13458
Name	OJ990427_32.9922.C5.o3.gs	Method	GENSCAN
Start	11344	End	13337
GI	none	Score	.59
Exons	11344..12010, 12037..12246, 12493..12562, 12622..12965, 13028..13121, 13139..13337		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30434	Strand	+
Start	15756	End	18518
Name	OJ990427_32.9922.C5.o5.gs	Method	GENSCAN
Start	15756	End	18518
GI	none	Score	.41
Exons	15756..16061, 16426..16780, 16882..17132, 18258..18448, 18497..18518		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30435	Strand	+
Start	32968	End	33627
Name	OJ990427_32.9922.C5.o8.gs	Method	GENSCAN
Start	32968	End	33627
GI	none	Score	.78
Exons	32968..33627		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30436	Strand	-
Start	4235	End	10412
Name	OJ990427_32.9922.C5.o1.np	Method	AAT/NAP
Start	4235	End	7150
GI	4206306	Score	1147
Exons	4235..7150		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30436	Strand	-
Start	4235	End	10412
Name	OJ990427_32.9922.C5.o2.gs	Method	GENSCAN
Start	5218	End	10412
GI	none	Score	.49
Exons	5218..6298, 6468..7150, 7278..7608, 7820..8019, 8153..8222, 8291..8420, 8443..8592, 8612..8758, 8969..9437, 9530..9821,		

10186..10412

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30437	Strand	-
Start	14153	End	15049
Name	OJ990427_32.9922.C5.o4.gs	Method	GENSCAN
Start	14153	End	15049
GI	none	Score	.87
Exons	14153..14274, 14716..15049		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	4232	End	4474
GI	none	Score	51
Exons	4232..4474, 4233..4265, 4302..4472, 4307..4474		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o9.tw	Method	TBLASTX:Wheat
Start	4250	End	4627
GI	none	Score	84
Exons	4250..4627, 4284..4457		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o5.ts	Method	TBLASTX:Soybean
Start	4816	End	5214
GI	none	Score	231
Exons	4816..5214		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o7.tm	Method	TBLASTX:Maize
Start	4837	End	5217
GI	none	Score	82
Exons	4837..5061, 5059..5217		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o7.tw	Method	TBLASTX:Wheat
Start	5635	End	6033
GI	none	Score	73
Exons	5635..5904, 5944..6033		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	5668	End	6078
GI	none	Score	36
Exons	5668..5919, 5766..5789, 5837..5920, 5861..5926, 5927..6076,		

5941..6078

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	6229	End	6694
GI	none	Score	69
Exons	6229..6354, 6260..6349, 6416..6694, 6522..6659		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o8.tw	Method	TBLASTX:Wheat
Start	6377	End	6712
GI	none	Score	114
Exons	6377..6712, 6381..6698		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	6383	End	6844
GI	none	Score	214
Exons	6383..6844, 6384..6695, 6455..6844		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	6713	End	7117
GI	none	Score	245
Exons	6713..7066, 6780..7043, 7055..7117		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	6845	End	7063
GI	none	Score	178
Exons	6845..7063, 6846..7043, 6863..7063		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o6.tw	Method	TBLASTX:Wheat
Start	11530	End	11958
GI	none	Score	81
Exons	11530..11646, 11662..11874, 11851..11958		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o3.np	Method	AAT/NAP
Start	18903	End	20328
GI	5852084	Score	68
Exons	18903..18986, 20296..20328		

GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o4.np	Method	AAT/NAP
Start	19165	End	41240
GI	93144	Score	95
Exons	19165..19439, 19767..19946, 21297..21479, 25119..25187, 33067..33318, 33352..33496, 41154..41240		
GI Descrip.	hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhuser or Becker) gi|334068 (M57505) ORF2 [Pseudorabies virus]		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o6.gs	Method	GENSCAN
Start	19185	End	26446
GI	none	Score	.55
Exons	19185..19481, 19782..20048, 20864..20947, 21177..21350, 21411..21495, 23578..23597, 25045..25240, 25868..26031, 26444..26446		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	23227	End	23688
GI	none	Score	272
Exons	23227..23589, 23229..23435, 23601..23684, 23602..23688		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	23413	End	23783
GI	none	Score	337
Exons	23413..23781, 23544..23783		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o6.tm	Method	TBLASTX:Maize
Start	23860	End	24150
GI	none	Score	180
Exons	23860..24042, 23902..24036, 24052..24150		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o7.gs	Method	GENSCAN
Start	27356	End	29609
GI	none	Score	.51
Exons	27356..27488, 27715..27860, 29586..29609		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5

Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o9.gs	Method	GENSCAN
Start	33805	End	37372
GI	none	Score	.64
Exons	33805..33889, 34226..34341, 35533..35806, 35845..36012, 36107..36152, 36387..36731, 36979..37260, 37360..37372		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o5.np	Method	AAT/NAP
Start	33926	End	38443
GI	4680203	Score	711
Exons	33926..33953, 36119..37260, 38370..38443		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o2.tc	Method	TBLASTX:Cress
Start	35542	End	35848
GI	none	Score	145
Exons	35542..35586, 35591..35848, 35593..35820		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	35542	End	36110
GI	none	Score	168
Exons	35542..35586, 35591..35917, 35593..35892, 35678..35917, 35886..36110, 35896..36066		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	35779	End	36069
GI	none	Score	62
Exons	35779..35892, 35797..35910, 35886..36068, 35890..36069		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o4.tw	Method	TBLASTX:Wheat
Start	36119	End	36382
GI	none	Score	138
Exons	36119..36376, 36121..36366, 36121..36381, 36140..36382		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	36124	End	36382
GI	none	Score	146
Exons	36124..36381, 36152..36382		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	36169	End	36516
GI	none	Score	101
Exons	36169..36516, 36170..36322, 36362..36511		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	36250	End	36666
GI	none	Score	124
Exons	36250..36513, 36251..36517, 36526..36666, 36539..36661		

Seq. No.	14275	Seq. ID	OJ990427_32.9922.C5
Gene No.	30438	Strand	-
Start	19185	End	41240
Name	OJ990427_32.9922.C5.o5.tw	Method	TBLASTX:Wheat
Start	36397	End	36883
GI	none	Score	82
Exons	36397..36516, 36410..36520, 36529..36756, 36764..36883		

Seq. No.	14276	Seq. ID	OJ990627_36.9922.C1
Gene No.	30439	Strand	+
Start	3119	End	3430
Name	OJ990627_36.9922.C1.o1.gs	Method	GENSCAN
Start	3119	End	3430
GI	none	Score	.43
Exons	3119..3268, 3314..3430		

Seq. No.	14276	Seq. ID	OJ990627_36.9922.C1
Gene No.	30440	Strand	-
Start	4244	End	4628
Name	OJ990627_36.9922.C1.o2.gs	Method	GENSCAN
Start	4244	End	4628
GI	none	Score	.56
Exons	4244..4334, 4465..4628		

Seq. No.	14277	Seq. ID	OJ990627_36.9922.C2
Gene No.	30441	Strand	+
Start	170	End	787
Name	OJ990627_36.9922.C2.o1.gs	Method	GENSCAN
Start	170	End	787
GI	none	Score	.64
Exons	170..275, 726..787		

Seq. No.	14277	Seq. ID	OJ990627_36.9922.C2
Gene No.	30442	Strand	-
Start	1	End	1040
Name	OJ990627_36.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	1040
GI	6815052	Score	104
Exons	1..21, 157..269, 916..1040		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	14278	Seq. ID	OJ990627_36.9922.C3
Gene No.	30443	Strand	+
Start	6820	End	8824
Name	OJ990627_36.9922.C3.o1.np	Method	AAT/NAP
Start	6820	End	8824
GI	6691716	Score	1908
Exons	6820..7708, 7906..8080, 8173..8285, 8362..8537, 8615..8824		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	14278	Seq. ID	OJ990627_36.9922.C3
Gene No.	30443	Strand	+
Start	6820	End	8824
Name	OJ990627_36.9922.C3.o3.gs	Method	GENSCAN
Start	7432	End	8802
GI	none	Score	.85
Exons	7432..7704, 7935..8080, 8173..8537, 8615..8802		

Seq. No.	14278	Seq. ID	OJ990627_36.9922.C3
Gene No.	30444	Strand	-
Start	4497	End	7230
Name	OJ990627_36.9922.C3.o2.gs	Method	GENSCAN
Start	4497	End	7122
GI	none	Score	.68
Exons	4497..4690, 5725..5887, 6703..6912, 6979..7122		

Seq. No.	14278	Seq. ID	OJ990627_36.9922.C3
Gene No.	30444	Strand	-
Start	4497	End	7230
Name	OJ990627_36.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	6913	End	7230
GI	none	Score	198
Exons	6913..7230		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30445	Strand	+
Start	1	End	713
Name	OJ990627_36.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	713
GI	6691716	Score	693
Exons	1..202, 274..713		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30445	Strand	+
Start	1	End	713
Name	OJ990627_36.9922.C4.o1.gs	Method	GENSCAN
Start	83	End	617
GI	none	Score	.98
Exons	83..202, 274..617		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30446	Strand	+

Start	3618	End	4320
Name	OJ990627_36.9922.C4.o3.gs	Method	GENSCAN
Start	3618	End	4320
GI	none	Score	.54
Exons	3618..3705, 4009..4071, 4127..4320		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30447	Strand	+
Start	7214	End	10092
Name	OJ990627_36.9922.C4.o5.gs	Method	GENSCAN
Start	7214	End	10092
GI	none	Score	.83
Exons	7214..7439, 7765..8099, 8177..8466, 8549..8907, 8985..9160, 9234..9423, 9495..9599, 9673..9890, 9907..10092		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30447	Strand	+
Start	7214	End	10092
Name	OJ990627_36.9922.C4.o5.np	Method	AAT/NAP
Start	7214	End	10089
GI	6691716	Score	2374
Exons	7214..8103, 8292..8466, 8549..8657, 8734..8907, 8985..9160, 9234..9336, 9486..9599, 9673..10089		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30448	Strand	+
Start	16236	End	17798
Name	OJ990627_36.9922.C4.o7.gs	Method	GENSCAN
Start	16236	End	17798
GI	none	Score	.49
Exons	16236..16334, 16896..17043, 17095..17798		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30449	Strand	-
Start	376	End	9954
Name	OJ990627_36.9922.C4.o3.np	Method	AAT/NAP
Start	376	End	4232
GI	5689465	Score	34
Exons	376..450, 4066..4232		
GI Descrip.	(AB028987) KIAA1064 protein [Homo sapiens]		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30449	Strand	-
Start	376	End	9954
Name	OJ990627_36.9922.C4.o2.gs	Method	GENSCAN
Start	1052	End	2989
GI	none	Score	.66
Exons	1052..1134, 1324..1674, 1705..1833, 2917..2989		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30449	Strand	-
Start	376	End	9954
Name	OJ990627_36.9922.C4.o2.np	Method	AAT/NAP
Start	1055	End	5153

GI	5902445	Score	1539
Exons	1055..2096, 5132..5153		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30449	Strand	-
Start	376	End	9954
Name	OJ990627_36.9922.C4.o4.np	Method	AAT/NAP
Start	3203	End	9954
GI	5922631	Score	729
Exons	3203..3312, 5138..5753, 9905..9954		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30449	Strand	-
Start	376	End	9954
Name	OJ990627_36.9922.C4.o4.gs	Method	GENSCAN
Start	5376	End	5636
GI	none	Score	.95
Exons	5376..5636		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o3.tw	Method	TBLASTX:Wheat
Start	1082	End	11052
GI	none	Score	110
Exons	1082..1201, 1187..1678, 1416..1655, 10438..10569, 10594..11052, 10793..10897		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	1103	End	10731
GI	none	Score	71
Exons	1103..1204, 1143..1205, 1184..1357, 1185..1238, 10477..10578, 10478..10564, 10558..10731, 10559..10690		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o4.tw	Method	TBLASTX:Wheat
Start	1694	End	11391
GI	none	Score	191
Exons	1694..2047, 1701..2042, 11068..11229, 11075..11230, 11215..11382, 11230..11391, 11231..11386		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116

Name	OJ990627_36.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	1859	End	11531
GI	none	Score	187
Exons	1859..2068, 1860..2069, 5137..5301, 5171..5302, 11230..11529, 11231..11506, 11238..11531		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o11.tw	Method	TBLASTX:Wheat
Start	5170	End	11634
GI	none	Score	179
Exons	5170..5382, 11392..11634		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o7.tw	Method	TBLASTX:Wheat
Start	5442	End	11982
GI	none	Score	88
Exons	5442..5729, 5578..5727, 11692..11982, 11852..11974		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	5667	End	12298
GI	none	Score	127
Exons	5667..5729, 11885..12133, 11887..12129, 12194..12298, 12195..12290		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o10.tw	Method	TBLASTX:Wheat
Start	7307	End	7621
GI	none	Score	193
Exons	7307..7621		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o6.np	Method	AAT/NAP
Start	10462	End	24855
GI	5922631	Score	6505
Exons	10462..12141, 12176..12984, 13590..14097, 18456..18874, 19001..19151, 19194..19586, 23545..23730, 23776..23969, 24228..24472, 24731..24855		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4

Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o5.tw	Method	TBLASTX:Wheat
Start	11983	End	20734
GI	none	Score	116
Exons	11983..12129, 11984..12130, 12186..12416, 12194..12415, 20596..20733, 20597..20734		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	12413	End	21174
GI	none	Score	83
Exons	12413..12439, 12437..12580, 12450..12581, 12599..12856, 12602..12856, 12603..12857, 20755..20898, 20767..20886, 20920..21174, 20921..21142		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	12524	End	21234
GI	none	Score	80
Exons	12524..12925, 12611..12886, 12765..12908, 20842..21234, 21083..21226		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	12579	End	21321
GI	none	Score	266
Exons	12579..12959, 12584..13003, 12602..13003, 20897..21277, 20902..21318, 20914..21321		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	13087	End	21762
GI	none	Score	207
Exons	13087..13443, 13097..13402, 21412..21762, 21416..21721		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	13117	End	21892
GI	none	Score	272
Exons	13117..13572, 13118..13573, 21436..21891, 21437..21892		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	13168	End	21852

GI	none	Score	128
Exons	13168..13302, 13309..13524, 21487..21621, 21628..21852		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o6.tw	Method	TBLASTX:Wheat
Start	13573	End	25830
GI	none	Score	143
Exons	13573..13746, 13793..14020, 13795..14019, 18456..18608, 22087..22347, 22145..22345, 22390..22566, 25756..25830		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o9.tw	Method	TBLASTX:Wheat
Start	16341	End	16835
GI	none	Score	81
Exons	16341..16520, 16362..16520, 16544..16825, 16545..16835		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	16359	End	16733
GI	none	Score	97
Exons	16359..16544, 16539..16733		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o8.gs	Method	GENSCAN
Start	18215	End	26116
GI	none	Score	.58
Exons	18215..18320, 18400..19247, 19314..19586, 19600..20563, 21030..21154, 21307..21491, 21621..21744, 22018..22580, 22719..22832, 22863..23286, 23295..23402, 23455..23612, 23763..24330, 24393..24511, 24516..24807, 24892..24942, 26036..26116		

Seq. No.	14279	Seq. ID	OJ990627_36.9922.C4
Gene No.	30450	Strand	-
Start	10462	End	26116
Name	OJ990627_36.9922.C4.o8.tw	Method	TBLASTX:Wheat
Start	19188	End	23548
GI	none	Score	93
Exons	19188..19583, 19321..19584, 23209..23547, 23240..23548		

Seq. No.	14280	Seq. ID	OJ990627_36.9922.C5
Gene No.	30451	Strand	+
Start	1	End	711
Name	OJ990627_36.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	711
GI	2129618	Score	99
Exons	1..80, 498..711		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi|806535|emb|CAA57397| (X81801) Athila ORF 1		

[Arabidopsis thaliana]

Seq. No.	14281	Seq. ID	OJ990627_36.9922.C6
Gene No.	30452	Strand	-
Start	1	End	484
Name	OJ990627_36.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	484
GI	3122386	Score	102
Exons	1..49, 253..484		
GI Descrip.	WD-40 REPEAT PROTEIN MSI1 gi|2394227 (AF016845) WD-40 repeat protein [Lycopersicon esculentum]		

Seq. No.	14282	Seq. ID	OJ990627_36.9922.C8
Gene No.	30453	Strand	-
Start	1	End	108
Name	OJ990627_36.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	108
GI	2498930	Score	131
Exons	1..108		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	14283	Seq. ID	OJ990627_36.9922.C10
Gene No.	30454	Strand	
Start	25	End	425
Name	OJ990627_36.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	25	End	425
GI	none	Score	255
Exons	25..255, 29..271, 29..295, 266..325, 332..418, 332..421, 333..425		

Seq. No.	14283	Seq. ID	OJ990627_36.9922.C10
Gene No.	30454	Strand	
Start	25	End	425
Name	OJ990627_36.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	70	End	418
GI	none	Score	262
Exons	70..195, 80..388, 110..352, 389..418		

Seq. No.	14283	Seq. ID	OJ990627_36.9922.C10
Gene No.	30455	Strand	
Start	616	End	996
Name	OJ990627_36.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	616	End	996
GI	none	Score	72
Exons	616..696, 685..996		

Seq. No.	14284	Seq. ID	OJ990627_36.9922.C11
Gene No.	30456	Strand	+
Start	271	End	1259
Name	OJ990627_36.9922.C11.o1.gs	Method	GENSCAN
Start	271	End	1159
GI	none	Score	.82
Exons	271..408, 413..1159		

Seq. No.	14284	Seq. ID	OJ990627_36.9922.C11
Gene No.	30456	Strand	+

Start	271	End	1259
Name	OJ990627_36.9922.C11.o1.np	Method	AAT/NAP
Start	493	End	1259
GI	3645899	Score	375
Exons	493..1259		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	14285	Seq. ID	OJ990627_36.9922.C13
Gene No.	30457	Strand	+
Start	1630	End	3781
Name	OJ990627_36.9922.C13.o1.gs	Method	GENSCAN
Start	1630	End	3781
GI	none	Score	.55
Exons	1630..1698, 2052..2230, 2441..2518, 2604..2749, 2789..2899, 3732..3781		

Seq. No.	14285	Seq. ID	OJ990627_36.9922.C13
Gene No.	30458	Strand	-
Start	1239	End	4351
Name	OJ990627_36.9922.C13.o1.np	Method	AAT/NAP
Start	1239	End	4351
GI	5902445	Score	701
Exons	1239..1261, 3767..4351		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	14285	Seq. ID	OJ990627_36.9922.C13
Gene No.	30458	Strand	-
Start	1239	End	4351
Name	OJ990627_36.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	3779	End	4091
GI	none	Score	128
Exons	3779..3946, 3783..3950, 3987..4091, 3991..4086		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30459	Strand	+
Start	1	End	546
Name	OJ990627_36.9922.C14.o2.np	Method	AAT/NAP
Start	1	End	546
GI	4680183	Score	116
Exons	1..84, 419..546		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30459	Strand	+
Start	1	End	546
Name	OJ990627_36.9922.C14.o1.gs	Method	GENSCAN
Start	219	End	324
GI	none	Score	.4
Exons	219..324		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30460	Strand	+
Start	1805	End	2396
Name	OJ990627_36.9922.C14.o3.np	Method	AAT/NAP
Start	1805	End	2396
GI	6721559	Score	517
Exons	1805..2232, 2263..2396		

GI Descrip. (AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30461	Strand	-
Start	348	End	453
Name	OJ990627_36.9922.C14.o1.np	Method	AAT/NAP
Start	348	End	453
GI	6721561	Score	75
Exons	348..453		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o2.gs	Method	GENSCAN
Start	1429	End	5427
GI	none	Score	.53
Exons	1429..1547, 1593..1658, 1821..1979, 2141..2243, 2804..3114, 3469..3592, 3665..3879, 3931..4348, 5407..5427		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	2726	End	3124
GI	none	Score	429
Exons	2726..3124		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	2810	End	3070
GI	none	Score	144
Exons	2810..3070, 2832..3056		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o4.tw	Method	TBLASTX:Wheat
Start	3126	End	3324
GI	none	Score	99
Exons	3126..3311, 3144..3323, 3145..3324		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	3255	End	3611
GI	none	Score	152
Exons	3255..3323, 3326..3610, 3342..3611		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	3329	End	3740
GI	none	Score	117
Exons	3329..3619, 3332..3739, 3336..3620, 3654..3740		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o5.np	Method	AAT/NAP
Start	3750	End	11656
GI	5734709	Score	121
Exons	3750..3823, 9764..10083, 10809..11000, 11228..11358, 11499..11656		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o4.np	Method	AAT/NAP
Start	3752	End	7703
GI	5902444	Score	788
Exons	3752..4340, 7678..7703		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o3.tw	Method	TBLASTX:Wheat
Start	3977	End	4333
GI	none	Score	120
Exons	3977..4333, 3999..4241		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o3.gs	Method	GENSCAN
Start	5940	End	6477
GI	none	Score	.91
Exons	5940..6022, 6408..6477		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o4.gs	Method	GENSCAN
Start	7361	End	7933
GI	none	Score	.95
Exons	7361..7933		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o5.gs	Method	GENSCAN

Start	8609	End	11290
GI	none	Score	.57
Exons	8609..8616, 8849..8973, 9177..9279, 9974..10128, 10254..10414, 10565..10674, 11118..11290		

Seq. No.	14286	Seq. ID	OJ990627_36.9922.C14
Gene No.	30462	Strand	-
Start	1429	End	11656
Name	OJ990627_36.9922.C14.o2.gp	Method	AAT/GAP
Start	9486	End	9793
GI	61605_3.R1084	Score	433
Exons	9486..9793		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	14287	Seq. ID	OJ990627_36.9922.C15
Gene No.	30463	Strand	-
Start	1	End	783
Name	OJ990627_36.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	783
GI	2443320	Score	900
Exons	1..783		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	14287	Seq. ID	OJ990627_36.9922.C15
Gene No.	30463	Strand	-
Start	1	End	783
Name	OJ990627_36.9922.C15.o1.gs	Method	GENSCAN
Start	58	End	780
GI	none	Score	.66
Exons	58..780		

Seq. No.	14287	Seq. ID	OJ990627_36.9922.C15
Gene No.	30463	Strand	-
Start	1	End	783
Name	OJ990627_36.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	239	End	585
GI	none	Score	67
Exons	239..451, 241..585		

Seq. No.	14288	Seq. ID	OJ990627_36.9922.C16
Gene No.	30464	Strand	-
Start	468	End	3874
Name	OJ990627_36.9922.C16.o1.np	Method	AAT/NAP
Start	468	End	3874
GI	4388825	Score	218
Exons	468..508, 3399..3874		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	14288	Seq. ID	OJ990627_36.9922.C16
Gene No.	30464	Strand	-
Start	468	End	3874
Name	OJ990627_36.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	1924	End	2448
GI	none	Score	61
Exons	1924..2013, 1925..2251, 1940..2233, 2044..2373, 2044..2250,		

2246..2299, 2352..2432, 2352..2447, 2353..2448

Seq. No.	14289	Seq. ID	OJ990627_36.9922.C17
Gene No.	30465	Strand	+
Start	97	End	312
Name	OJ990627_36.9922.C17.o1.gs	Method	GENSCAN
Start	97	End	312
GI	none	Score	.59
Exons	97..312		

Seq. No.	14289	Seq. ID	OJ990627_36.9922.C17
Gene No.	30466	Strand	-
Start	1	End	578
Name	OJ990627_36.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	578
GI	4417306	Score	224
Exons	1..349, 475..578		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	14289	Seq. ID	OJ990627_36.9922.C17
Gene No.	30466	Strand	-
Start	1	End	578
Name	OJ990627_36.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	336
GI	none	Score	89
Exons	1..216, 232..336		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30467	Strand	+
Start	1	End	1924
Name	OJ990627_36.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	1924
GI	6815052	Score	1283
Exons	1..116, 441..607, 656..1394, 1476..1545, 1805..1924		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30467	Strand	+
Start	1	End	1924
Name	OJ990627_36.9922.C18.o1.gs	Method	GENSCAN
Start	289	End	1611
GI	none	Score	.43
Exons	289..1023, 1153..1611		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30468	Strand	-
Start	725	End	2672
Name	OJ990627_36.9922.C18.o2.np	Method	AAT/NAP
Start	725	End	2404
GI	6539588	Score	262
Exons	725..789, 2095..2404		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30468	Strand	-
Start	725	End	2672

Name	OJ990627_36.9922.C18.o2.gs	Method	GENSCAN
Start	1768	End	2672
GI	none	Score	.61
Exons	1768..1940, 2177..2377, 2615..2672		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30469	Strand	-
Start	4315	End	5210
Name	OJ990627_36.9922.C18.o3.tw	Method	TBLASTX:Wheat
Start	112	End	402
GI	none	Score	189
Exons	112..402		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30469	Strand	-
Start	4315	End	5210
Name	OJ990627_36.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	4303	End	4971
GI	none	Score	60
Exons	4303..4563, 4379..4549, 4582..4971, 4604..4783, 4837..4920		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30469	Strand	-
Start	4315	End	5210
Name	OJ990627_36.9922.C18.o3.np	Method	AAT/NAP
Start	4315	End	5210
GI	6630685	Score	920
Exons	4315..5210		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30469	Strand	-
Start	4315	End	5210
Name	OJ990627_36.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	4333	End	4698
GI	none	Score	83
Exons	4333..4545, 4567..4698		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30469	Strand	-
Start	4315	End	5210
Name	OJ990627_36.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	4333	End	4989
GI	none	Score	120
Exons	4333..4989, 4348..4572, 4352..4981		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30469	Strand	-
Start	4315	End	5210
Name	OJ990627_36.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	4378	End	4698
GI	none	Score	81
Exons	4378..4569, 4378..4554, 4573..4698		

Seq. No.	14290	Seq. ID	OJ990627_36.9922.C18
Gene No.	30469	Strand	-

Start	4315	End	5210
Name	OJ990627_36.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	4735	End	5109
GI	none	Score	75
Exons	4735..4992, 5017..5109		

Seq. No.	14291	Seq. ID	OJ990627_36.9922.C19
Gene No.	30470	Strand	+
Start	1579	End	4793
Name	OJ990627_36.9922.C19.o1.np	Method	AAT/NAP
Start	1579	End	4793
GI	6498436	Score	95
Exons	1579..1652, 3425..3563, 4669..4793		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	14291	Seq. ID	OJ990627_36.9922.C19
Gene No.	30471	Strand	-
Start	1017	End	5685
Name	OJ990627_36.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	37	End	363
GI	none	Score	162
Exons	37..363, 41..352, 61..354		

Seq. No.	14291	Seq. ID	OJ990627_36.9922.C19
Gene No.	30471	Strand	-
Start	1017	End	5685
Name	OJ990627_36.9922.C19.o1.gs	Method	GENSCAN
Start	1017	End	5685
GI	none	Score	.7
Exons	1017..1657, 1684..1968, 2001..2035, 2050..2243, 2411..2690, 3056..3098, 3448..3562, 4731..4841, 5160..5585, 5662..5685		

Seq. No.	14292	Seq. ID	OJ990627_36.9922.C21
Gene No.	30472	Strand	+
Start	1	End	3402
Name	OJ990627_36.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	3402
GI	6691191	Score	78
Exons	1..159, 3383..3402		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	14292	Seq. ID	OJ990627_36.9922.C21
Gene No.	30472	Strand	+
Start	1	End	3402
Name	OJ990627_36.9922.C21.o1.gs	Method	GENSCAN
Start	1998	End	2524
GI	none	Score	.98
Exons	1998..2127, 2418..2524		

Seq. No.	14292	Seq. ID	OJ990627_36.9922.C21
Gene No.	30473	Strand	+
Start	3979	End	4756
Name	OJ990627_36.9922.C21.o2.gs	Method	GENSCAN
Start	3979	End	4756
GI	none	Score	.81
Exons	3979..4029, 4122..4211, 4390..4492, 4581..4756		

Seq. No.	14293	Seq. ID	OJ990627_36.9922.C22
Gene No.	30474	Strand	+
Start	6637	End	7205
Name	OJ990627_36.9922.C22.o2.gp	Method	AAT/GAP
Start	6637	End	7205
GI	4879016	Score	856
Exons	6637..7205		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	14293	Seq. ID	OJ990627_36.9922.C22
Gene No.	30475	Strand	-
Start	983	End	7123
Name	OJ990627_36.9922.C22.o1.gp	Method	AAT/GAP
Start	822	End	1079
GI	61605_3.R1084	Score	414
Exons	822..1079		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	14293	Seq. ID	OJ990627_36.9922.C22
Gene No.	30475	Strand	-
Start	983	End	7123
Name	OJ990627_36.9922.C22.o1.gs	Method	GENSCAN
Start	983	End	6324
GI	none	Score	.6
Exons	983..1119, 1588..1704, 2563..2663, 2698..2927, 3710..3993, 4165..4266, 4315..4411, 4645..4799, 5247..5530, 6122..6324		

Seq. No.	14293	Seq. ID	OJ990627_36.9922.C22
Gene No.	30475	Strand	-
Start	983	End	7123
Name	OJ990627_36.9922.C22.o1.np	Method	AAT/NAP
Start	1448	End	7123
GI	6063554	Score	300
Exons	1448..1622, 2258..2285, 2573..2822, 7044..7123		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	14294	Seq. ID	OJ990627_36.9922.C23
Gene No.	30476	Strand	+
Start	1	End	1186
Name	OJ990627_36.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	1186
GI	6498436	Score	130
Exons	1..246, 313..437, 1118..1186		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	14294	Seq. ID	OJ990627_36.9922.C23
Gene No.	30476	Strand	+
Start	1	End	1186
Name	OJ990627_36.9922.C23.o1.gs	Method	GENSCAN
Start	295	End	437
GI	none	Score	.51
Exons	295..437		

Seq. No.	14295	Seq. ID	OJ990627_36.9922.C24
Gene No.	30477	Strand	-
Start	866	End	997
Name	OJ990627_36.9922.C24.o1.gs	Method	GENSCAN
Start	866	End	997
GI	none	Score	.98
Exons	866..997		

Seq. No.	14296	Seq. ID	OJ990627_36.9922.C25
Gene No.	30478	Strand	+
Start	1	End	1383
Name	OJ990627_36.9922.C25.o1.np	Method	AAT/NAP
Start	1	End	1383
GI	2443320	Score	2040
Exons	1..1383		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	14296	Seq. ID	OJ990627_36.9922.C25
Gene No.	30478	Strand	+
Start	1	End	1383
Name	OJ990627_36.9922.C25.o1.tw	Method	TBLASTX:Wheat
Start	2	End	785
GI	none	Score	457
Exons	2..283, 3..440, 3..482, 109..483, 322..483, 460..603, 468..785, 474..755, 482..784		

Seq. No.	14296	Seq. ID	OJ990627_36.9922.C25
Gene No.	30478	Strand	+
Start	1	End	1383
Name	OJ990627_36.9922.C25.o1.ts	Method	TBLASTX:Soybean
Start	8	End	284
GI	5509260	Score	244
Exons	8..112, 9..284, 146..283		
GI Descrip.	-		

Seq. No.	14296	Seq. ID	OJ990627_36.9922.C25
Gene No.	30478	Strand	+
Start	1	End	1383
Name	OJ990627_36.9922.C25.o1.tm	Method	TBLASTX:Maize
Start	9	End	423
GI	none	Score	266
Exons	9..284, 17..283, 271..423		

Seq. No.	14296	Seq. ID	OJ990627_36.9922.C25
Gene No.	30478	Strand	+
Start	1	End	1383
Name	OJ990627_36.9922.C25.o2.tm	Method	TBLASTX:Maize
Start	573	End	899
GI	none	Score	240
Exons	573..878, 666..899		

Seq. No.	14296	Seq. ID	OJ990627_36.9922.C25
Gene No.	30478	Strand	+
Start	1	End	1383
Name	OJ990627_36.9922.C25.o2.ts	Method	TBLASTX:Soybean
Start	756	End	1118

GI	none	Score	219
Exons	756..1118		

Seq. No.	14296	Seq. ID	OJ990627_36.9922.C25
Gene No.	30478	Strand	+
Start	1	End	1383
Name	OJ990627_36.9922.C25.o2.tw	Method	TBLASTX:Wheat
Start	860	End	1344
GI	none	Score	103
Exons	860..1123, 861..1220, 863..1201, 1200..1316, 1203..1343, 1207..1344		

Seq. No.	14296	Seq. ID	OJ990627_36.9922.C25
Gene No.	30478	Strand	+
Start	1	End	1383
Name	OJ990627_36.9922.C25.o3.tm	Method	TBLASTX:Maize
Start	941	End	1373
GI	none	Score	148
Exons	941..1099, 942..1118, 1153..1188, 1207..1368, 1215..1373		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o1.np	Method	AAT/NAP
Start	1	End	1206
GI	6705984	Score	1700
Exons	1..1206		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o3.tw	Method	TBLASTX:Wheat
Start	4	End	294
GI	none	Score	203
Exons	4..294, 4..294		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o2.tm	Method	TBLASTX:Maize
Start	118	End	393
GI	none	Score	181
Exons	118..393		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o1.gs	Method	GENSCAN
Start	160	End	1093
GI	none	Score	.68
Exons	160..392, 686..1093		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o2.tw	Method	TBLASTX:Wheat

Start	325	End	684
GI	none	Score	220
Exons	325..684, 332..679		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o2.ts	Method	TBLASTX:Soybean
Start	361	End	714
GI	none	Score	67
Exons	361..543, 556..630, 649..714		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	429	End	777
GI	none	Score	292
Exons	429..767, 433..777, 433..777		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o1.tc	Method	TBLASTX:Cress
Start	496	End	855
GI	none	Score	213
Exons	496..855, 497..745, 499..789		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o1.tw	Method	TBLASTX:Wheat
Start	811	End	1206
GI	none	Score	253
Exons	811..1206, 812..1108, 973..1185, 1151..1204		

Seq. No.	14297	Seq. ID	OJ990627_36.9922.C26
Gene No.	30479	Strand	-
Start	1	End	1206
Name	OJ990627_36.9922.C26.o1.ts	Method	TBLASTX:Soybean
Start	964	End	1206
GI	none	Score	47
Exons	964..1041, 974..1042, 1036..1206, 1040..1189		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30480	Strand	+
Start	8192	End	11061
Name	OJ990627_36.9922.C27.o2.gs	Method	GENSCAN
Start	8192	End	10842
GI	none	Score	.66
Exons	8192..8361, 8421..8542, 8860..9026, 9426..10428, 10500..10612, 10743..10842		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30480	Strand	+
Start	8192	End	11061
Name	OJ990627_36.9922.C27.o4.np	Method	AAT/NAP

Start	8329	End	9110
GI	6002794	Score	1202
Exons	8329..9110		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30480	Strand	+
Start	8192	End	11061
Name	OJ990627_36.9922.C27.o5.np	Method	AAT/NAP
Start	9594	End	11061
GI	4680179	Score	566
Exons	9594..10653, 10756..11061		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30481	Strand	-
Start	1	End	6138
Name	OJ990627_36.9922.C27.o1.np	Method	AAT/NAP
Start	1	End	3619
GI	6705984	Score	1869
Exons	1..2257, 3599..3619		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30481	Strand	-
Start	1	End	6138
Name	OJ990627_36.9922.C27.o1.gs	Method	GENSCAN
Start	79	End	5955
GI	none	Score	.4
Exons	79..219, 355..530, 1116..1181, 1224..1419, 1501..1712, 2033..2566, 2718..2782, 5403..5955		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30481	Strand	-
Start	1	End	6138
Name	OJ990627_36.9922.C27.o2.np	Method	AAT/NAP
Start	4438	End	6138
GI	6907086	Score	1113
Exons	4438..4872, 5123..5291, 5352..6138		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30482	Strand	-
Start	6846	End	7794
Name	OJ990627_36.9922.C27.o2.tw	Method	TBLASTX:Wheat
Start	3	End	461
GI	none	Score	151
Exons	3..461, 10..312		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30482	Strand	-
Start	6846	End	7794
Name	OJ990627_36.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	6	End	392
GI	none	Score	130
Exons	6..392, 7..258, 18..344		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30482	Strand	-
Start	6846	End	7794
Name	OJ990627_36.9922.C27.o4.tm	Method	TBLASTX:Maize
Start	417	End	617
GI	none	Score	162
Exons	417..560, 424..567, 494..577,	573..617	

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30482	Strand	-
Start	6846	End	7794
Name	OJ990627_36.9922.C27.o1.tw	Method	TBLASTX:Wheat
Start	771	End	1262
GI	none	Score	149
Exons	771..977, 811..978, 854..979,	981..1262, 1015..1242	

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30482	Strand	-
Start	6846	End	7794
Name	OJ990627_36.9922.C27.o2.tm	Method	TBLASTX:Maize
Start	786	End	1022
GI	none	Score	119
Exons	786..1022, 798..1016		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30482	Strand	-
Start	6846	End	7794
Name	OJ990627_36.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	802	End	1211
GI	none	Score	69
Exons	802..930, 804..950, 924..1211,	946..1167	

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30482	Strand	-
Start	6846	End	7794
Name	OJ990627_36.9922.C27.o3.tw	Method	TBLASTX:Wheat
Start	1629	End	2084
GI	none	Score	111
Exons	1629..1970, 1629..1976, 1673..	2032, 1998..2084, 2001..2063	

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30482	Strand	-
Start	6846	End	7794
Name	OJ990627_36.9922.C27.o3.np	Method	AAT/NAP
Start	6846	End	7794
GI	4680186	Score	164
Exons	6846..7264, 7736..7794		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30483	Strand	
Start	9816	End	10520
Name	OJ990627_36.9922.C27.o4.tw	Method	TBLASTX:Wheat
Start	9816	End	10193
GI	none	Score	265
Exons	9816..10193		

Seq. No.	14298	Seq. ID	OJ990627_36.9922.C27
Gene No.	30483	Strand	
Start	9816	End	10520
Name	OJ990627_36.9922.C27.o3.tm	Method	TBLASTX:Maize
Start	10074	End	10520
GI	none	Score	231
Exons	10074..10406, 10473..10520		

Seq. No.	14299	Seq. ID	OJ990627_36.9922.C29
Gene No.	30484	Strand	+
Start	52	End	346
Name	OJ990627_36.9922.C29.o1.gs	Method	GENSCAN
Start	52	End	346
GI	none	Score	.69
Exons	52..346		

Seq. No.	14300	Seq. ID	OJ990627_36.9922.C31
Gene No.	30485	Strand	+
Start	20	End	199
Name	OJ990627_36.9922.C31.o1.gs	Method	GENSCAN
Start	20	End	199
GI	none	Score	.78
Exons	20..199		

Seq. No.	14301	Seq. ID	OJ990627_35.9919.C1
Gene No.	30486	Strand	-
Start	1	End	642
Name	OJ990627_35.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	642
GI	2498930	Score	723
Exons	1..406, 574..642		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30487	Strand	+
Start	742	End	889
Name	OJ990627_35.9919.C3.o1.gp	Method	AAT/GAP
Start	742	End	889
GI	LIB3475-011-P1-K1-F12	Score	177
Exons	742..889		
GI Descrip.	'3941543 1.0e-25 (AF069497) pelota [Arabidopsis thaliana] >gi_4469016_emb_CAB38277_ (AL035602) pelota (PEL1) [Arabidopsis thaliana]'		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30488	Strand	+
Start	5989	End	6399
Name	OJ990627_35.9919.C3.o2.gs	Method	GENSCAN
Start	5989	End	6399
GI	none	Score	.88
Exons	5989..6399		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30489	Strand	+
Start	17637	End	31079
Name	OJ990627_35.9919.C3.o6.gs	Method	GENSCAN

Start	17637	End	21262
GI	none	Score	.84
Exons	17637..17698, 18746..18873, 19249..19347, 19438..19593, 19947..20033, 20113..20204, 20943..21017, 21113..21262		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30489	Strand	+
Start	17637	End	31079
Name	OJ990627_35.9919.C3.o5.np	Method	AAT/NAP
Start	18589	End	31079
GI	3281853	Score	869
Exons	18589..18873, 19249..19347, 19438..19593, 19947..20033, 20113..20207, 20799..21017, 21113..21248, 31003..31079		
GI Descrip.	(AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30489	Strand	+
Start	17637	End	31079
Name	OJ990627_35.9919.C3.o3.gp	Method	AAT/GAP
Start	18817	End	21567
GI	19694_1.R1084	Score	1914
Exons	18817..18873, 19249..19347, 19438..19593, 19947..20033, 20113..20204, 20943..21017, 21113..21567		
GI Descrip.	'3281853/emb|CAA19748| 2.0e-98 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30490	Strand	-
Start	90	End	6066
Name	OJ990627_35.9919.C3.o1.np	Method	AAT/NAP
Start	90	End	6066
GI	3941543	Score	662
Exons	90..448, 755..887, 1169..1237, 1320..1352, 1431..1506, 1706..1781, 2731..2776, 4356..4487, 5046..5121, 5769..5851, 6016..6066		
GI Descrip.	(AF069497) pelota [Arabidopsis thaliana] gi|4469016|emb|CAB38277| (AL035602) pelota (PEL1) [Arabidopsis thaliana]		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30490	Strand	-
Start	90	End	6066
Name	OJ990627_35.9919.C3.o1.gs	Method	GENSCAN
Start	781	End	5105
GI	none	Score	.67
Exons	781..887, 1169..1237, 1320..1352, 1431..1506, 1706..1781, 3680..3794, 4356..4487, 5046..5105		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30491	Strand	-
Start	6678	End	9368
Name	OJ990627_35.9919.C3.o2.np	Method	AAT/NAP
Start	6678	End	9368
GI	3293031	Score	1043
Exons	6678..6711, 7221..7499, 7527..7636, 7728..7955, 8061..8194, 8304..8521, 8619..8712, 8874..9107, 9247..9368		
GI Descrip.	(AJ007574) amino acid carrier [Ricinus communis]		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30491	Strand	-
Start	6678	End	9368
Name	OJ990627_35.9919.C3.o3.gs	Method	GENSCAN
Start	7208	End	9319
GI	none	Score	.64
Exons	7208..7636, 7728..7955, 8061..8194, 8304..8521, 8619..8712, 8874..9107, 9247..9319		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30491	Strand	-
Start	6678	End	9368
Name	OJ990627_35.9919.C3.o2.gp	Method	AAT/GAP
Start	8589	End	9358
GI	LIB3475-006-P1-K1-A4	Score	823
Exons	8589..8712, 8874..9107, 9247..9358		
GI Descrip.	'3293031/emb|CAA07563| 3.0e-36 (AJ007574) amino acid carrier [Ricinus communis]'		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30492	Strand	-
Start	11862	End	17598
Name	OJ990627_35.9919.C3.o3.np	Method	AAT/NAP
Start	10992	End	14227
GI	4680500	Score	194
Exons	10992..11041, 11848..12339, 14183..14227		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30492	Strand	-
Start	11862	End	17598
Name	OJ990627_35.9919.C3.o4.gs	Method	GENSCAN
Start	11862	End	12923
GI	none	Score	.44
Exons	11862..12923		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30492	Strand	-
Start	11862	End	17598
Name	OJ990627_35.9919.C3.o4.np	Method	AAT/NAP
Start	13701	End	17598
GI	6721516	Score	624
Exons	13701..13874, 14932..15254, 15665..15902, 17518..17598		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30493	Strand	-
Start	22243	End	26149
Name	OJ990627_35.9919.C3.o4.gp	Method	AAT/GAP
Start	21976	End	22925
GI	uC-osrocyp003c06a1	Score	925
Exons	21976..22313, 22576..22639, 22754..22816, 22894..22925		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3

Gene No.	30493	Strand	-
Start	22243	End	26149
Name	OJ990627_35.9919.C3.o7.gs	Method	GENSCAN
Start	22243	End	25941
GI	none	Score	.82
Exons	22243..22313, 22576..22639, 22754..22816, 22894..23136, 24091..24159, 24257..24379, 24460..24679, 24779..24888, 24994..25093, 25301..25400, 25911..25941		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30493	Strand	-
Start	22243	End	26149
Name	OJ990627_35.9919.C3.o5.gp	Method	AAT/GAP
Start	24798	End	26149
GI	43933_1.R1084	Score	988
Exons	24798..24888, 24994..25193, 25911..26149		
GI Descrip.	'3128186 6.0e-17 (AC004521) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30494	Strand	-
Start	28948	End	29507
Name	OJ990627_35.9919.C3.o6.gp	Method	AAT/GAP
Start	28948	End	29507
GI	none	Score	1092
Exons	28948..29507		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o6.tm	Method	TBLASTX:Maize
Start	756	End	6070
GI	none	Score	126
Exons	756..890, 777..890, 779..895, 1154..1240, 1167..1244, 1169..1243, 1307..1366, 1318..1353, 1422..1508, 1431..1508, 1435..1509, 1438..1512, 1706..1786, 1706..1774, 1708..1782, 2723..2779, 4354..4488, 4356..4487, 4403..4489, 5034..5123, 5040..5123, 5763..5852, 5768..5854, 5768..5854, 6013..6069, 6017..6070		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	7206	End	8389
GI	none	Score	254
Exons	7206..7499, 7208..7492, 7527..7631, 7562..7642, 7562..7642, 7707..7784, 7723..7902, 7725..7958, 7900..7959, 8059..8190, 8059..8181, 8061..8192, 8300..8389, 8305..8388		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	7208	End	9274
GI	none	Score	179
Exons	7208..7498, 7215..7475, 7541..7642, 7725..7958, 7735..7899,		

8061..8210, 8065..8190, 8305..8460, 8306..8464, 8440..8520, 8471..8521, 8872..9111, 8873..9109, 9230..9274

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	7224	End	9277
GI	none	Score	125
Exons	7224..7469, 7226..7498, 7615..7641, 7725..7958, 7726..7908, 8061..8150, 8302..8448, 8303..8407, 8872..9120, 8873..9109, 9242..9277		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o5.tm	Method	TBLASTX:Maize
Start	8395	End	9099
GI	none	Score	128
Exons	8395..8448, 8440..8502, 8872..9099, 8972..9097		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o3.tc	Method	TBLASTX:Cress
Start	18743	End	18875
GI	none	Score	194
Exons	18743..18874, 18744..18875		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	18743	End	21310
GI	none	Score	207
Exons	18743..18874, 18744..18875, 18744..18875, 18781..18882, 19241..19345, 19242..19346, 19242..19346, 19431..19592, 19431..19601, 19447..19599, 19945..20034, 19946..20035, 20111..20206, 20112..20204, 20942..21019, 20943..21017, 20943..21020, 20944..21021, 21110..21310, 21110..21262, 21111..21269		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	18744	End	21250
GI	none	Score	216
Exons	18744..18875, 18747..18872, 18748..18888, 18749..18874, 18781..18882, 19241..19345, 19242..19346, 19242..19349, 19431..19529, 19479..19592, 19494..19592, 19499..19597, 19932..20030, 19945..20034, 19946..20035, 20111..20200, 20112..20204, 20112..20219, 20114..20224, 20942..21019, 20943..21017, 21110..21250		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-

Start	29605	End	29956
Name	OJ990627_35.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	19470	End	21229
GI	none	Score	109
Exons	19470..19592, 19490..19588, 19943..20035, 19945..20034, 20105..20200, 20112..20204, 20114..20206, 20961..21017, 21110..21229		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	22912	End	24389
GI	none	Score	67
Exons	22912..23016, 22913..22966, 23035..23145, 23037..23144, 24088..24159, 24090..24155, 24257..24388, 24258..24389, 24258..24389		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	22912	End	25197
GI	none	Score	67
Exons	22912..23064, 22913..22999, 22921..23070, 23068..23103, 23103..23144, 23103..23147, 24109..24159, 24111..24167, 24255..24359, 24257..24361, 24257..24373, 24494..24514, 24516..24680, 24516..24680, 24518..24682, 24518..24682, 24777..24887, 24778..24888, 24780..24890, 24992..25195, 24993..25193, 24994..25197		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	24583	End	25197
GI	none	Score	35
Exons	24583..24681, 24659..24682, 24778..24888, 24798..24890, 24992..25084, 24994..25113, 25168..25197, 25169..25195		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30495	Strand	-
Start	29605	End	29956
Name	OJ990627_35.9919.C3.o7.gp	Method	AAT/GAP
Start	29605	End	29956
GI	LIB3433-031-P1-K1-C10	Score	497
Exons	29605..29956		
GI Descrip.	'121343/sp|P14655|GLN2_ORYSA 1.0e-23 GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31) >gi_68598_pir__AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice >gi_20370_emb_CAA32462_ (X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]'		

Seq. No.	14302	Seq. ID	OJ990627_35.9919.C3
Gene No.	30496	Strand	
Start	33081	End	33667

Name	OJ990627_35.9919.C3.o4.tm	Method	TBLASTX:Maize
Start	33081	End	33667
GI	none	Score	71
Exons	33081..33290, 33336..33407, 33409..33552, 33446..33553, 33560..33667		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30497	Strand	+
Start	99	End	2519
Name	OJ990627_35.9919.C4.o1.gs	Method	GENSCAN
Start	99	End	2519
GI	none	Score	.8
Exons	99..274, 590..1810, 1892..2519		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30498	Strand	+
Start	3369	End	10099
Name	OJ990627_35.9919.C4.o2.gs	Method	GENSCAN
Start	3369	End	9717
GI	none	Score	.55
Exons	3369..3565, 3731..3838, 4267..4306, 4463..4590, 4686..4734, 4875..4981, 5095..5182, 5298..5426, 5543..5617, 5957..6010, 9131..9257, 9578..9717		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30498	Strand	+
Start	3369	End	10099
Name	OJ990627_35.9919.C4.o1.gp	Method	AAT/GAP
Start	3444	End	10099
GI	325_1.R1084	Score	3174
Exons	3444..3473, 3561..3838, 4267..4306, 4487..4590, 4686..4734, 4875..4981, 5095..5182, 5298..5426, 5543..5617, 5957..6010, 6090..6127, 8891..9050, 9131..9191, 9578..10099		
GI Descrip.	'121343/sp|P14655|GLN2_ORYSA 0.0e+00 GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31) >gi_68598_pir__AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice >gi_20370_emb_CAA32462_ (X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]'		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30498	Strand	+
Start	3369	End	10099
Name	OJ990627_35.9919.C4.o1.np	Method	AAT/NAP
Start	3597	End	9714
GI	121343	Score	1913
Exons	3597..3838, 4267..4306, 4487..4590, 4686..4734, 4875..4981, 5095..5182, 5298..5426, 5543..5617, 5957..6010, 6090..6127, 8891..9050, 9131..9191, 9578..9714		
GI Descrip.	GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31) gi|68598|pir||AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice gi|20370|emb|CAA32462| (X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4

Gene No.	30499	Strand	+
Start	13024	End	13155
Name	OJ990627_35.9919.C4.o2.np	Method	AAT/NAP
Start	13024	End	13155
GI	6721543	Score	109
Exons	13024..13155		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	39	End	301
GI	none	Score	60
Exons	39..83, 47..301, 84..275		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	2100	End	2339
GI	none	Score	209
Exons	2100..2276, 2100..2294, 2292..2339, 2294..2338		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	3587	End	6010
GI	none	Score	59
Exons	3587..3628, 3588..3632, 3720..3770, 3722..3838, 3735..3839, 4480..4554, 4484..4588, 4496..4612, 4680..4736, 4686..4736, 4874..4981, 4875..4982, 4875..4982, 5093..5182, 5096..5191, 5295..5426, 5297..5422, 5539..5613, 5540..5617, 5542..5616, 5954..6010, 5956..6009		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	3762	End	6127
GI	none	Score	110
Exons	3762..3839, 3785..3838, 4247..4306, 4484..4588, 4540..4590, 4680..4736, 4687..4722, 4874..4984, 4875..4982, 4875..4985, 5093..5170, 5096..5191, 5294..5425, 5295..5426, 5297..5422, 5521..5544, 5539..5610, 5539..5616, 5540..5617, 5540..5617, 5954..6007, 5956..6006, 6089..6127, 6090..6125		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	3765	End	9718
GI	none	Score	98
Exons	3765..3839, 4247..4306, 4484..4588, 4540..4590, 4680..4736, 4687..4722, 4874..4981, 4875..4982, 4875..4982, 4876..4986, 5095..5124, 5096..5191, 5107..5193, 5294..5425, 5295..5426,		

5296..5421, 5297..5422, 5539..5616, 5540..5617, 5954..6010, 5956..6006, 6087..6125, 6089..6127, 8888..9049, 8889..9050, 8892..9050, 8893..9051, 9124..9198, 9130..9192, 9131..9214, 9134..9193, 9574..9687, 9576..9668, 9576..9713, 9577..9669, 9581..9718

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	3774	End	4984
GI	none	Score	75
Exons	3774..3839, 4247..4306, 4484..4588, 4540..4590, 4680..4736, 4687..4722, 4874..4984, 4875..4982		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	5114	End	6125
GI	none	Score	137
Exons	5114..5191, 5114..5182, 5294..5422, 5295..5426, 5540..5617, 5542..5616, 5954..6007, 5956..6006, 6089..6124, 6090..6125		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	6087	End	9740
GI	none	Score	85
Exons	6087..6125, 6089..6127, 8888..9049, 8889..9050, 8891..9076, 9115..9192, 9130..9192, 9131..9214, 9131..9193, 9573..9740, 9574..9687, 9576..9731		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	8907	End	9733
GI	none	Score	220
Exons	8907..9050, 8909..9052, 8909..9046, 9130..9216, 9131..9214, 9573..9713, 9575..9733, 9577..9669, 9581..9700		

Seq. No.	14303	Seq. ID	OJ990627_35.9919.C4
Gene No.	30500	Strand	-
Start	10686	End	11253
Name	OJ990627_35.9919.C4.o3.gs	Method	GENSCAN
Start	10686	End	11253
GI	none	Score	.99
Exons	10686..10850, 11038..11253		

Seq. No.	14304	Seq. ID	OJ990627_35.9919.C5
Gene No.	30501	Strand	+
Start	1	End	1224
Name	OJ990627_35.9919.C5.o1.gp	Method	AAT/GAP
Start	1	End	357
GI	7406_1.R1084	Score	465

Exons	1..357		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	14304	Seq. ID	OJ990627_35.9919.C5
Gene No.	30501	Strand	+
Start	1	End	1224
Name	OJ990627_35.9919.C5.o1.np	Method	AAT/NAP
Start	1	End	1224
GI	6721543	Score	82
Exons	1..107, 793..868, 1187..1224		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	14304	Seq. ID	OJ990627_35.9919.C5
Gene No.	30501	Strand	+
Start	1	End	1224
Name	OJ990627_35.9919.C5.o2.gp	Method	AAT/GAP
Start	1	End	431
GI	7406_1.R1084	Score	581
Exons	1..322, 357..431		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	14304	Seq. ID	OJ990627_35.9919.C5
Gene No.	30502	Strand	-
Start	625	End	5281
Name	OJ990627_35.9919.C5.o3.gp	Method	AAT/GAP
Start	374	End	827
GI	LIB3431-045-P1-N1-A10	Score	844
Exons	374..827		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	14304	Seq. ID	OJ990627_35.9919.C5
Gene No.	30502	Strand	-
Start	625	End	5281
Name	OJ990627_35.9919.C5.o1.gs	Method	GENSCAN
Start	625	End	5268
GI	none	Score	.61
Exons	625..812, 963..1165, 1170..1217, 1281..1412, 1658..1755, 1782..1907, 2000..2258, 2335..2633, 2724..3134, 3219..3555, 3661..3811, 4197..5268		

Seq. No.	14304	Seq. ID	OJ990627_35.9919.C5
Gene No.	30502	Strand	-
Start	625	End	5281
Name	OJ990627_35.9919.C5.o2.np	Method	AAT/NAP
Start	931	End	4924
GI	5441880	Score	3066
Exons	931..1165, 1281..1412, 1658..1755, 2000..2258, 2335..2633, 3219..3555, 3661..3811, 4317..4632, 4891..4924		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	14304	Seq. ID	OJ990627_35.9919.C5
Gene No.	30502	Strand	-

Start	625	End	5281
Name	OJ990627_35.9919.C5.o4.gp	Method	AAT/GAP
Start	2008	End	2507
GI	LIB3475-007-P1-K1-G8	Score	805
Exons	2008..2258, 2335..2507		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	14304	Seq. ID	OJ990627_35.9919.C5
Gene No.	30502	Strand	-
Start	625	End	5281
Name	OJ990627_35.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	5137	End	5281
GI	none	Score	63
Exons	5137..5280, 5198..5281		

Seq. No.	14305	Seq. ID	OJ990627_35.9919.C6
Gene No.	30503	Strand	-
Start	1	End	2422
Name	OJ990627_35.9919.C6.o1.np	Method	AAT/NAP
Start	1	End	610
GI	5441880	Score	1064
Exons	1..610		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	14305	Seq. ID	OJ990627_35.9919.C6
Gene No.	30503	Strand	-
Start	1	End	2422
Name	OJ990627_35.9919.C6.o1.gs	Method	GENSCAN
Start	63	End	2422
GI	none	Score	.53
Exons	63..732, 841..1039, 1396..1896, 2192..2422		

Seq. No.	14305	Seq. ID	OJ990627_35.9919.C6
Gene No.	30503	Strand	-
Start	1	End	2422
Name	OJ990627_35.9919.C6.o2.np	Method	AAT/NAP
Start	623	End	1682
GI	6721543	Score	180
Exons	623..739, 1555..1682		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	14305	Seq. ID	OJ990627_35.9919.C6
Gene No.	30504	Strand	-
Start	12190	End	14817
Name	OJ990627_35.9919.C6.o4.gs	Method	GENSCAN
Start	12190	End	14817
GI	none	Score	.91
Exons	12190..12375, 14534..14604, 14643..14817		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30505	Strand	+
Start	698	End	1145
Name	OJ990627_35.9919.C7.o1.gs	Method	GENSCAN

Start	698	End	1145
GI	none	Score	.5
Exons	698..741, 917..1145		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30506	Strand	+
Start	4695	End	9921
Name	OJ990627_35.9919.C7.o2.np	Method	AAT/NAP
Start	4695	End	9921
GI	5734709	Score	200
Exons	4695..4812, 6632..7272, 9881..9921		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30506	Strand	+
Start	4695	End	9921
Name	OJ990627_35.9919.C7.o3.gs	Method	GENSCAN
Start	7412	End	8455
GI	none	Score	.8
Exons	7412..8455		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30507	Strand	-
Start	1352	End	8248
Name	OJ990627_35.9919.C7.o1.np	Method	AAT/NAP
Start	1352	End	8248
GI	6056376	Score	627
Exons	1352..1376, 2617..2823, 2914..3064, 3190..3407, 3504..3731, 3855..3941, 8178..8248		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30507	Strand	-
Start	1352	End	8248
Name	OJ990627_35.9919.C7.o2.gs	Method	GENSCAN
Start	2289	End	7297
GI	none	Score	.81
Exons	2289..2390, 2414..2851, 2977..3064, 3190..3424, 3518..3731, 3855..3997, 4694..4955, 6370..6533, 6892..7297		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o3.ts	Method	TBLASTX:Soybean
Start	2623	End	3064
GI	none	Score	69
Exons	2623..2832, 2935..3063, 2972..3064		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	2656	End	3941
GI	none	Score	98
Exons	2656..2757, 2954..3064, 2959..3063, 3189..3404, 3504..3659,		

3532..3657, 3690..3737, 3691..3732, 3858..3941

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	2917	End	3737
GI	none	Score	72
Exons	2917..3063, 2954..3064, 3190..3417, 3192..3404, 3516..3677, 3517..3681, 3687..3737, 3691..3732		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	3189	End	3942
GI	none	Score	103
Exons	3189..3404, 3193..3405, 3489..3677, 3490..3678, 3681..3737, 3682..3732, 3858..3908, 3858..3941, 3859..3942		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o1.tw	Method	TBLASTX:Wheat
Start	3312	End	3737
GI	none	Score	111
Exons	3312..3404, 3495..3677, 3514..3669, 3687..3737		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o3.tm	Method	TBLASTX:Maize
Start	7351	End	7597
GI	none	Score	194
Exons	7351..7539, 7352..7540, 7495..7596, 7496..7597, 7505..7597		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o4.ts	Method	TBLASTX:Soybean
Start	7421	End	8058
GI	none	Score	93
Exons	7421..7522, 7426..7521, 7526..7693, 7922..8041, 7966..8058		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o2.tm	Method	TBLASTX:Maize
Start	7892	End	8274
GI	none	Score	61
Exons	7892..7945, 7924..8061, 7937..8044, 7937..8068, 7948..8070, 8079..8183, 8120..8272, 8125..8274		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o2.ts	Method	TBLASTX:Soybean

Start	8137	End	8531
GI	none	Score	268
Exons	8137..8352, 8159..8341, 8269..8346, 8448..8531		

Seq. No.	14306	Seq. ID	OJ990627_35.9919.C7
Gene No.	30508	Strand	-
Start	9453	End	9653
Name	OJ990627_35.9919.C7.o4.gs	Method	GENSCAN
Start	9453	End	9653
GI	none	Score	.85
Exons	9453..9653		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30509	Strand	+
Start	127	End	5237
Name	OJ990627_35.9919.C8.o1.gs	Method	GENSCAN
Start	127	End	5237
GI	none	Score	.43
Exons	127..448, 1654..1891, 2084..2247, 2456..2476, 2892..3084, 3342..3922, 5182..5237		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30510	Strand	+
Start	8523	End	12658
Name	OJ990627_35.9919.C8.o3.gs	Method	GENSCAN
Start	8523	End	12658
GI	none	Score	.84
Exons	8523..8892, 9065..9150, 9273..9282, 9912..10025, 10175..10236, 10778..10832, 11094..11295, 11777..11900, 12237..12329, 12551..12658		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30510	Strand	+
Start	8523	End	12658
Name	OJ990627_35.9919.C8.o4.np	Method	AAT/NAP
Start	9971	End	12655
GI	5903100	Score	815
Exons	9971..10025, 10175..10236, 10778..10832, 11094..11295, 11432..11538, 11845..11900, 12237..12329, 12551..12655		
GI Descrip.	(AC008017) Highly similar to ribulose-1,5-bisphosphate carboxylase/oxygenase activase [Arabidopsis thaliana]		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30511	Strand	+
Start	32734	End	32819
Name	OJ990627_35.9919.C8.o6.gp	Method	AAT/GAP
Start	32734	End	32819
GI	4208_1.R1084	Score	146
Exons	32734..32819		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30512	Strand	-
Start	5759	End	12581
Name	OJ990627_35.9919.C8.o2.gs	Method	GENSCAN

Start	5759	End	7788
GI	none	Score	.98
Exons	5759..5974, 6017..6195, 6251..7667, 7777..7788		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30512	Strand	-
Start	5759	End	12581
Name	OJ990627_35.9919.C8.o2.np	Method	AAT/NAP
Start	5759	End	7873
GI	3876095	Score	790
Exons	5759..6148, 6231..7415, 7679..7873		
GI Descrip.	(Z75537) Similarity to Yeast ATP-dependent transporter (SW:YEM6_YEAST); cDNA EST EMBL:C09155 comes from this gene; cDNA EST yk259a9.3 comes from this gene; cDNA EST yk259a9.5 comes from this gene; cDNA EST yk453c2.3 comes fro...		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30512	Strand	-
Start	5759	End	12581
Name	OJ990627_35.9919.C8.o3.np	Method	AAT/NAP
Start	6745	End	12581
GI	6539570	Score	32
Exons	6745..6970, 7215..7333, 7475..7583, 8516..8551, 12561..12581		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30513	Strand	-
Start	20332	End	21540
Name	OJ990627_35.9919.C8.o5.np	Method	AAT/NAP
Start	20332	End	21104
GI	4572677	Score	341
Exons	20332..21104		
GI Descrip.	(AC006954) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30513	Strand	-
Start	20332	End	21540
Name	OJ990627_35.9919.C8.o6.np	Method	AAT/NAP
Start	20335	End	21540
GI	5262755	Score	471
Exons	20335..20891, 20952..21540		
GI Descrip.	(AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30514	Strand	-
Start	24556	End	24815
Name	OJ990627_35.9919.C8.o1.gp	Method	AAT/GAP
Start	24556	End	24815
GI	36848_1.R1084	Score	471
Exons	24556..24815		
GI Descrip.	'4539308/emb|CAB39611.1| 4.0e-21 (AL049480) possible apospory-associated like protein [Arabidopsis thaliana]'		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30515	Strand	-
Start	25915	End	30840
Name	OJ990627_35.9919.C8.o2.gp	Method	AAT/GAP

Start	25886	End	26352
GI	36848_1.R1084	Score	550
Exons	25886..26153, 26264..26352		
GI Descrip.	'4539308/emb|CAB39611.1| 4.0e-21 (AL049480) possible apospory-associated like protein [Arabidopsis thaliana]'		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30515	Strand	-
Start	25915	End	30840
Name	OJ990627_35.9919.C8.o6.gs	Method	GENSCAN
Start	25915	End	30840
GI	none	Score	.83
Exons	25915..26153, 26264..26363, 26452..26554, 26804..26944, 27103..27263, 27797..27871, 28732..28776, 30169..30333, 30754..30840		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30515	Strand	-
Start	25915	End	30840
Name	OJ990627_35.9919.C8.o7.np	Method	AAT/NAP
Start	25945	End	30306
GI	2501555	Score	1016
Exons	25945..26153, 26264..26363, 26452..26554, 26804..26944, 27103..27263, 27355..27411, 27797..27886, 30184..30306		
GI Descrip.	POSSIBLE APOSPORY-ASSOCIATED PROTEIN C gi|549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30515	Strand	-
Start	25915	End	30840
Name	OJ990627_35.9919.C8.o3.gp	Method	AAT/GAP
Start	27797	End	27873
GI	2310038	Score	109
Exons	27797..27873		
GI Descrip.	4539308/emb|CAB39611.1| 4.0e-21 (AL049480) possible apospory-associated like protein [Arabidopsis thaliana]		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30515	Strand	-
Start	25915	End	30840
Name	OJ990627_35.9919.C8.o4.gp	Method	AAT/GAP
Start	30167	End	30358
GI	2310038	Score	337
Exons	30167..30358		
GI Descrip.	4539308/emb|CAB39611.1| 4.0e-21 (AL049480) possible apospory-associated like protein [Arabidopsis thaliana]		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30515	Strand	-
Start	25915	End	30840
Name	OJ990627_35.9919.C8.o5.gp	Method	AAT/GAP
Start	30321	End	30591
GI	uC-osf1M202083f11b1	Score	522
Exons	30321..30591		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o5.tw	Method	TBLASTX:Wheat
Start	1244	End	1603
GI	none	Score	106
Exons	1244..1375, 1248..1373, 1374..1598, 1418..1465, 1517..1603		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o13.tm	Method	TBLASTX:Maize
Start	1599	End	3102
GI	none	Score	46
Exons	1599..1637, 1656..1784, 2546..2884, 2695..2817, 2858..3013, 2869..3006, 2995..3102, 3042..3101		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o1.tw	Method	TBLASTX:Wheat
Start	2552	End	2965
GI	none	Score	349
Exons	2552..2965, 2554..2955		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o1.tm	Method	TBLASTX:Maize
Start	3241	End	4153
GI	none	Score	606
Exons	3241..3936, 3264..3566, 3280..3639, 3606..3683, 3725..3862, 3726..3863, 3935..4153		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o2.tw	Method	TBLASTX:Wheat
Start	3292	End	3603
GI	none	Score	316
Exons	3292..3603, 3327..3566		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o4.ts	Method	TBLASTX:Soybean
Start	3929	End	4329
GI	none	Score	177
Exons	3929..4132, 3937..3963, 4042..4131, 4147..4329		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o4.tw	Method	TBLASTX:Wheat
Start	3956	End	4506
GI	none	Score	128

Exons	3956..4153, 4135..4332, 4405..4506		
Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o12.tm	Method	TBLASTX:Maize
Start	4159	End	4362
GI	none	Score	197
Exons	4159..4362, 4170..4361		
Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o5.tm	Method	TBLASTX:Maize
Start	4407	End	4875
GI	none	Score	80
Exons	4407..4616, 4407..4634, 4408..4776, 4795..4875		
Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o3.tw	Method	TBLASTX:Wheat
Start	4600	End	4920
GI	none	Score	285
Exons	4600..4920		
Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o8.tm	Method	TBLASTX:Maize
Start	5043	End	5334
GI	none	Score	183
Exons	5043..5156, 5044..5241, 5098..5229, 5236..5334		
Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o1.ts	Method	TBLASTX:Soybean
Start	5766	End	7124
GI	none	Score	223
Exons	5766..6098, 5771..6154, 6250..6480, 6255..6479, 6525..6584, 6609..6785, 6667..6864, 6726..6776, 6768..7124, 6799..7035, 6819..6977		
Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o3.tc	Method	TBLASTX:Cress
Start	5804	End	6497
GI	none	Score	72
Exons	5804..5863, 5879..6136, 6246..6497, 6346..6429		
Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o3.tm	Method	TBLASTX:Maize
Start	5907	End	6977

GI	none	Score	67
Exons	5907..5978, 5909..6136, 5909..6154, 6255..6338, 6255..6479, 6262..6465, 6471..6512, 6525..6581, 6532..6573, 6582..6623, 6819..6977		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o7.tw	Method	TBLASTX:Wheat
Start	6351	End	6581
GI	none	Score	109
Exons	6351..6479, 6355..6483, 6525..6581, 6532..6573		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o1.tc	Method	TBLASTX:Cress
Start	6669	End	7376
GI	none	Score	39
Exons	6669..6776, 6745..6780, 6798..7055, 6799..7008, 7116..7376		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o8.tw	Method	TBLASTX:Wheat
Start	6741	End	7004
GI	none	Score	101
Exons	6741..6776, 6813..6941, 6823..6939, 6915..7004		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o9.tm	Method	TBLASTX:Maize
Start	8732	End	9135
GI	none	Score	227
Exons	8732..8758, 8733..8879, 8781..8843, 8816..8878, 9064..9135, 9066..9134		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o5.ts	Method	TBLASTX:Soybean
Start	8733	End	9796
GI	none	Score	232
Exons	8733..8891, 8784..8837, 8816..8893, 9064..9162, 9064..9147, 9731..9796, 9732..9794		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o11.tm	Method	TBLASTX:Maize
Start	9904	End	11549
GI	none	Score	158
Exons	9904..9984, 9911..10030, 10171..10248, 10778..10834, 11092..11169, 11093..11200, 11197..11295, 11210..11296, 11436..11549		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o4.tc	Method	TBLASTX:Cress
Start	9911	End	11549
GI	none	Score	153
Exons	9911..10030, 10171..10248, 10778..10834, 11092..11169, 11093..11176, 11197..11295, 11210..11296, 11436..11549		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o3.ts	Method	TBLASTX:Soybean
Start	9947	End	11900
GI	none	Score	66
Exons	9947..9994, 9962..10018, 9983..10030, 10170..10232, 10171..10236, 10777..10833, 10778..10834, 11092..11295, 11093..11356, 11096..11299, 11430..11558, 11433..11549, 11829..11900		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o6.tw	Method	TBLASTX:Wheat
Start	10793	End	11296
GI	none	Score	57
Exons	10793..10834, 11093..11176, 11210..11296, 11212..11295		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o10.tm	Method	TBLASTX:Maize
Start	19880	End	20228
GI	none	Score	72
Exons	19880..20041, 19881..19943, 19882..19947, 19939..20118, 20022..20081, 20088..20117, 20152..20187, 20190..20228		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o7.tm	Method	TBLASTX:Maize
Start	20261	End	20524
GI	none	Score	52
Exons	20261..20293, 20263..20289, 20281..20304, 20282..20323, 20330..20524, 20332..20523		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o4.tm	Method	TBLASTX:Maize
Start	20558	End	21038
GI	none	Score	394
Exons	20558..20902, 20559..20927, 20575..20946, 20613..20927, 20662..20934, 20912..21025, 20916..21023, 20917..21030, 20958..21038		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8

Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o6.tm	Method	TBLASTX:Maize
Start	21040	End	21402
GI	none	Score	62
Exons	21040..21102, 21048..21101, 21049..21102, 21088..21282, 21097..21297, 21101..21298, 21292..21402, 21296..21400		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o6.ts	Method	TBLASTX:Soybean
Start	21268	End	21474
GI	none	Score	99
Exons	21268..21453, 21280..21474		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o2.tm	Method	TBLASTX:Maize
Start	24584	End	30256
GI	none	Score	76
Exons	24584..24640, 24585..24674, 24723..24797, 24724..24798, 25884..26153, 25885..26154, 25897..26154, 25910..26173, 26264..26362, 26265..26363, 26265..26366, 26266..26364, 26431..26481, 26449..26556, 26451..26558, 26457..26561, 26536..26562, 26804..26941, 26804..26938, 26806..26970, 26806..26946, 27093..27263, 27094..27264, 27105..27266, 27343..27414, 27343..27432, 27782..27874, 27783..27872, 27796..27873, 27796..27891, 27797..27910, 30160..30255, 30167..30256		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o2.ts	Method	TBLASTX:Soybean
Start	25942	End	27182
GI	none	Score	153
Exons	25942..26154, 25948..26154, 25955..26161, 25970..26158, 26264..26359, 26265..26366, 26266..26391, 26452..26556, 26453..26512, 26804..26941, 26806..26946, 27093..27182		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o2.tc	Method	TBLASTX:Cress
Start	25949	End	26366
GI	none	Score	167
Exons	25949..26152, 25951..26151, 25964..26158, 25965..26156, 26253..26366, 26266..26361		

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o5.tc	Method	TBLASTX:Cress
Start	26449	End	26946
GI	none	Score	76

Exons 26449..26556, 26450..26512, 26804..26941, 26806..26946

Seq. No.	14307	Seq. ID	OJ990627_35.9919.C8
Gene No.	30516	Strand	-
Start	32438	End	32643
Name	OJ990627_35.9919.C8.o7.gs	Method	GENSCAN
Start	32438	End	32643
GI	none	Score	.92
Exons	32438..32643		

Seq. No.	14308	Seq. ID	OJ990627_35.9919.C10
Gene No.	30517	Strand	+
Start	26	End	578
Name	OJ990627_35.9919.C10.o1.gp	Method	AAT/GAP
Start	26	End	578
GI	16490_1.R1084	Score	94
Exons	26..45, 515..578		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	14309	Seq. ID	OJ990527_37.9919.C2
Gene No.	30518	Strand	+
Start	6912	End	8013
Name	OJ990527_37.9919.C2.o2.gs	Method	GENSCAN
Start	6912	End	8013
GI	none	Score	.89
Exons	6912..6973, 7390..7471, 7990..8013		

Seq. No.	14309	Seq. ID	OJ990527_37.9919.C2
Gene No.	30519	Strand	-
Start	9041	End	12747
Name	OJ990527_37.9919.C2.o3.gs	Method	GENSCAN
Start	9041	End	12732
GI	none	Score	.72
Exons	9041..9226, 9326..9412, 9520..9592, 9694..9804, 9904..10077, 10166..10472, 10795..10962, 11100..11262, 11333..11527, 11561..11777, 12041..12218, 12264..12732		

Seq. No.	14309	Seq. ID	OJ990527_37.9919.C2
Gene No.	30519	Strand	-
Start	9041	End	12747
Name	OJ990527_37.9919.C2.o1.np	Method	AAT/NAP
Start	9056	End	12747
GI	4680204	Score	913
Exons	9056..9226, 9520..9592, 9694..9804, 9904..10077, 10166..11241, 11333..12747		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	14309	Seq. ID	OJ990527_37.9919.C2
Gene No.	30519	Strand	-
Start	9041	End	12747
Name	OJ990527_37.9919.C2.o2.tw	Method	TBLASTX:Wheat
Start	11029	End	11401
GI	none	Score	61
Exons	11029..11247, 11330..11401		

Seq. No.	14309	Seq. ID	OJ990527_37.9919.C2

Gene No.	30519	Strand	-
Start	9041	End	12747
Name	OJ990527_37.9919.C2.o1.tw	Method	TBLASTX:Wheat
Start	11681	End	12020
GI	none	Score	95
Exons	11681..11713, 11717..11830, 11718..11798, 11852..12019, 11871..12020		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30520	Strand	+
Start	6292	End	6437
Name	OJ990527_37.9919.C3.o2.np	Method	AAT/NAP
Start	6292	End	6437
GI	6721543	Score	108
Exons	6292..6437		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o1.np	Method	AAT/NAP
Start	770	End	4081
GI	4680203	Score	3249
Exons	770..1747, 2024..2254, 2408..4081		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	824	End	2146
GI	none	Score	52
Exons	824..916, 825..890, 841..912, 905..985, 933..986, 990..1109, 992..1108, 999..1139, 1010..1111, 1118..1177, 1128..1181, 1183..1230, 1184..1228, 1223..2140, 1239..2141, 2060..2146		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	1406	End	1857
GI	none	Score	99
Exons	1406..1555, 1406..1849, 1410..1853, 1717..1857		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	1784	End	2098
GI	none	Score	127
Exons	1784..2098, 1812..2087		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o3.tw	Method	TBLASTX:Wheat
Start	2147	End	2551

GI	none	Score	54
Exons	2147..2227, 2148..2231, 2153..2233, 2261..2503, 2301..2483, 2489..2551, 2502..2549		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	2585	End	2827
GI	none	Score	206
Exons	2585..2827		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	2657	End	3113
GI	none	Score	106
Exons	2657..2851, 2861..3103, 2862..3113		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	2691	End	3160
GI	none	Score	159
Exons	2691..2897, 2691..2810, 2696..2899, 2696..2920, 2898..2990, 2900..2998, 2901..2993, 3002..3106, 3006..3107, 3104..3160, 3108..3152		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	2948	End	3296
GI	none	Score	78
Exons	2948..3289, 2967..3095, 3144..3194, 3222..3296		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	3029	End	3458
GI	none	Score	98
Exons	3029..3325, 3042..3293, 3375..3458, 3383..3457		

Seq. No.	14310	Seq. ID	OJ990527_37.9919.C3
Gene No.	30521	Strand	-
Start	770	End	4081
Name	OJ990527_37.9919.C3.o4.tw	Method	TBLASTX:Wheat
Start	3379	End	3775
GI	none	Score	188
Exons	3379..3621, 3387..3629, 3389..3640, 3390..3632, 3623..3775		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30522	Strand	+
Start	421	End	9709

Name	OJ990527_37.9919.C4.o1.gs	Method	GENSCAN
Start	421	End	2976
GI	none	Score	1
Exons	421..2976		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30522	Strand	+
Start	421	End	9709
Name	OJ990527_37.9919.C4.o1.np	Method	AAT/NAP
Start	874	End	9152
GI	5441880	Score	4717
Exons	874..1879, 2324..2355, 2614..2926, 6386..6539, 6645..6981, 7569..7867, 7944..8202, 8447..8517, 8554..8580, 8671..8802, 8918..9152		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30522	Strand	+
Start	421	End	9709
Name	OJ990527_37.9919.C4.o1.gp	Method	AAT/GAP
Start	1478	End	1909
GI	5701669	Score	841
Exons	1478..1909		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30522	Strand	+
Start	421	End	9709
Name	OJ990527_37.9919.C4.o2.gp	Method	AAT/GAP
Start	3757	End	4647
GI	101153_1.R1084	Score	1008
Exons	3757..4099, 4417..4647		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30522	Strand	+
Start	421	End	9709
Name	OJ990527_37.9919.C4.o3.gp	Method	AAT/GAP
Start	4663	End	5092
GI	2428185	Score	813
Exons	4663..5092		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30522	Strand	+
Start	421	End	9709
Name	OJ990527_37.9919.C4.o3.gs	Method	GENSCAN
Start	6391	End	9431
GI	none	Score	.55
Exons	6391..6539, 6645..6891, 7066..7479, 7569..7867, 7944..8202, 8295..8472, 8620..9135, 9271..9431		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30522	Strand	+
Start	421	End	9709
Name	OJ990527_37.9919.C4.o5.gp	Method	AAT/GAP
Start	7695	End	8194
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	7695..7867, 7944..8194		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30522	Strand	+
Start	421	End	9709
Name	OJ990527_37.9919.C4.o6.gp	Method	AAT/GAP
Start	9256	End	9709
GI	LIB3431-045-P1-N1-A10	Score	864
Exons	9256..9709		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30523	Strand	+
Start	19266	End	19710
Name	OJ990527_37.9919.C4.o5.gs	Method	GENSCAN
Start	19266	End	19710
GI	none	Score	.93
Exons	19266..19347, 19541..19710		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30524	Strand	+
Start	21801	End	22866
Name	OJ990527_37.9919.C4.o6.gs	Method	GENSCAN
Start	21801	End	22866
GI	none	Score	.54
Exons	21801..22308, 22649..22866		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30525	Strand	+
Start	28841	End	32613
Name	OJ990527_37.9919.C4.o8.gs	Method	GENSCAN
Start	28841	End	32613
GI	none	Score	.53
Exons	28841..29080, 30372..30872, 30909..31308, 31684..32412, 32492..32613		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30525	Strand	+
Start	28841	End	32613
Name	OJ990527_37.9919.C4.o3.np	Method	AAT/NAP
Start	30362	End	32512
GI	4325357	Score	422
Exons	30362..31155, 31963..32512		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30526	Strand	+
Start	33372	End	41978
Name	OJ990527_37.9919.C4.o9.gs	Method	GENSCAN
Start	33372	End	41828
GI	none	Score	.47
Exons	33372..33462, 34046..34366, 34425..34513, 34606..34733, 35872..36028, 37468..37597, 38080..38987, 39666..40237, 41675..41828		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30526	Strand	+
Start	33372	End	41978
Name	OJ990527_37.9919.C4.o4.np	Method	AAT/NAP
Start	38925	End	41978
GI	3319345	Score	620
Exons	38925..39067, 39173..39584, 39666..40595, 41747..41978		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30527	Strand	+
Start	43679	End	46580
Name	OJ990527_37.9919.C4.o10.gs	Method	GENSCAN
Start	43679	End	46580
GI	none	Score	.68
Exons	43679..43690, 43898..44061, 44120..44233, 46538..46580		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30528	Strand	-
Start	5619	End	5921
Name	OJ990527_37.9919.C4.o4.gp	Method	AAT/GAP
Start	5619	End	5921
GI	61605_3.R1084	Score	446
Exons	5619..5921		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30529	Strand	-
Start	9936	End	10065
Name	OJ990527_37.9919.C4.o2.np	Method	AAT/NAP
Start	9936	End	10065
GI	6721543	Score	114
Exons	9936..10065		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30530	Strand	-
Start	10893	End	11300
Name	OJ990527_37.9919.C4.o7.gp	Method	AAT/GAP
Start	10893	End	11300
GI	2428833	Score	718
Exons	10893..11300		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4

Gene No.	30531	Strand	-
Start	13185	End	13393
Name	OJ990527_37.9919.C4.o8.gp	Method	AAT/GAP
Start	13185	End	13393
GI	3106481	Score	363
Exons	13185..13393		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30532	Strand	-
Start	23398	End	28098
Name	OJ990527_37.9919.C4.o7.gs	Method	GENSCAN
Start	23398	End	28098
GI	none	Score	.59
Exons	23398..23708, 23732..23849, 24125..24188, 26470..26641, 26772..26858, 27271..27322, 27532..27759, 27913..28098		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30533	Strand	-
Start	48505	End	49592
Name	OJ990527_37.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	1435	End	39515
GI	none	Score	93
Exons	1435..1563, 1443..1541, 1597..1896, 1614..1835, 1960..2031, 39171..39281, 39360..39515		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30533	Strand	-
Start	48505	End	49592
Name	OJ990527_37.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	1729	End	39512
GI	none	Score	208
Exons	1729..1923, 1738..1935, 1929..2048, 1933..2109, 1933..2109, 39453..39512		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30533	Strand	-
Start	48505	End	49592
Name	OJ990527_37.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	16301	End	17607
GI	none	Score	72
Exons	16301..16408, 16301..16408, 16316..16408, 16327..16392, 16330..16392, 16335..16403, 16449..16574, 16464..16577, 16470..16568, 16476..16568, 16476..16562, 16477..16575, 16477..16569, 16477..16575, 16595..16717, 16599..16721, 16609..16755, 16609..16728, 16610..16723, 16622..16723, 16623..16730, 16625..16729, 16650..16736, 16756..16887, 16760..16888, 16766..16888, 16766..16885, 16767..16889, 16779..16889, 16781..16930, 16782..16892, 16786..16920, 16788..16889, 16899..16937, 16915..17037, 16915..17046, 16918..17046, 16939..17055, 16944..16973, 16946..17053, 16947..17075, 16947..17054, 16948..17076, 16950..17069, 16951..17055, 16954..17076, 17103..17183, 17105..17188, 17111..17209, 17112..17234, 17203..17343, 17221..17379, 17224..17379, 17258..17380, 17377..17496, 17524..17607		

Seq. No.	14311	Seq. ID	OJ990527_37.9919.C4
Gene No.	30533	Strand	-